# je Kinima Vournal, RAILWAY AND COMMERCIAL GAZETY

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1883.—Vol. XLI.

LONDON, SATURDAY, SEPTEMBER 23, 1871.

(SUPPLEMENT) {PRICE ...... FIVEPENCE.

MR. JAMES CROFTS, STOCK AND SHAREBROKER,
No. 1, FINGH LANE, CORNHILL.
(ESTABLISHED 1842.)
HOLDERS of mining shares DIPPICULT OF SALE in the open market may find
purchasers for the same through Mr. CROFTS' agency. Also parties requiring
advice how to act in the disposal or abandonment of doubtful mining stocks may
profitably avail of Mr. CROFTS' long experience on the market in all cases of
doubt or difficulty, legal or otherwise.

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CASTLE AN DIMAS TIN MINR (LIMITED).

This mine (St. Columb, Cornwall) is now in full work, and making regular profits. A minimum dividend of 10 per cent. is guaranteed for three years from January, 1871, but the profits are expected to give a much higher return. The shares are limited to £2 each, and FULLY PAID, so there is no liability whatever. Mr. CROFTS strongly recommends these shares, in which he has need to the profits of the profits

pecial DUSINESS.
Business in Great ROYALTON and ROCHE CONSOLS.
Every description of shares bought and sold at NET prices.
Bankers: Metropolitan Bank.

R. W. H. BUMPUS, STOCK AND SHAREDEALER,

44, THERADNEEDLE STREET, LONDON, E.O., has FOR SALE the

100 Anglo-Austral, fully
paid, 17s. 6d.

20 Assheton, £44.
25 Birdseye Creek, £4.
25 Birdseye Creek, £4.
26 Borg, £2½.
26 Chentales, fully paid,
£2½.
27 Convert & Abraham,
£2½.
28 Caegyton, 29s.
29 Caegyton, 29s.
20 Caregyton, £3/5.
25 Dor Pedro, £3/5.
25 Dor Pedro, £3/5.
26 Dorake Walle, 16s. 6d.
26 Dorake Walle, 16s. 6d.
27 East Van, £12.
28 Parys Mountain, £3.
28 Parys Mountain, £3.
29 East Van, £12.
20 Eberhardt, £3/6.
20 Pacific, £1/9.
20 Pacific, £3/6.
20 Pacific, £1/9.
20 West Maria, 17s. 6d.
20

MR. Y. CHRISTIAN, STOCK AND SHAREDEALER, 11, ROYAL EXCHANGE, E.C. Bankers: Bank of England. MR. WILLIAM SEWARD, STOCK AND MINING SHARE BROKER, 19, THROGMORTON STREET, LONDON, E.C. Every-lescription of shares BOUGHT and SOLD at the best market prices.

MR. C. POWELL, STOCK AND SHAREDEALER, 78, OLD BROAD STREET, LONDON, E.C.

M. THOMAS SPARGO, MINING ENGINEER, STOCK AND SHAREDEALER, 224 AND 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.C.

MR. THOMAS THOMPSON, JUN., STOCK AND SHAREDEALER AND MINE AGENT, 5, WHITEHALL, LONDON, S.W.

Some valuable hints as to the purchase of mining shares will be found in Mr. THOMAS THOMPSON'S "Investment Circular" for September; now ready; post free, price 6.

MR. JAMES STOCKER, STOCK AND SHAREDEALER, 2, CROWN COURT, THREADNEEDLE STREET.

Bankers: London and Westminster (Established Twenty Years).

Bankers: London and Westminster (Established Twenty Years).

MESSRS. WM. MARLBOROUGH AND CO.,
19. BISHOPSGATE STREET WITHIN, LONDON, E.C. (Established If years), have FOR SALE the FOLLOWING SHARES at prices annexed:—
40 Almada, 21s.
10 Assheton, £4 18s. 9d.
25 E. Gerenville, £3%.
25 Bronfloyd, £2 11s. 3d.
20 Bwich Consols, 27s. 6d
40 Birdseye Creek, £4.
40 Bog. £2%.
40 Birdseye Creek, £4.
40 Cathedral, 22s. 6d.
40 Birdseye Creek, £4.
40 Cathedral, 22s. 6d.
40 Cathedral, 22s. 6d.
50 Great Western, 30s. 9d.
50 Gaegyon, 30s.
60 Cathedral, 22s. 6d.
61 Great Vestern, 30s. 9d.
62 Cathedral, 22s. 6d.
63 Great Laxey, £17.
64 Caegyon, 30s.
65 Caegyon, 30s.
66 Caegyon, 30s.
67 Carl Brea, £14s.
68 Caegyon, 30s.
69 Carl Brea, £14s.
60 Casthedral, £2s.
60 Great Vestern, 30s. 9d.
61 Carle Copper, £7% pm.
61 Colorado, £5 11s. 3d.
61 Colorado, £5 11s. 3d.
61 Dolcoath, £18s.
62 Don Pedro, £3 12s. 3d.
64 Drake Walls, 14s. 6d.
63 Prince, £4.
64 Drake Walls, 14s. 6d.
64 Drake Walls, 14s. 6d.
65 Prince, £4.
65 Prince

WHAT PAYS BEST?—A PRACTICAL TREATISE UPON INVESTMENTS IN BRITISH AND FORKIGN MINES.

W. MARLBOROUGH AND CO.,

29, Bishopsgate-street Within, London. Post free Sixpence.

HOOKE AND CO., STOCK AND SHAREDEALERS,
LIFE, FIRE, AND MARINE INSURANCE AGENTS,
9, UNION COURT, OLD BROAD STREET.
At the rate of One Guinea per annum, we give investors information on legitimate mining properties in the United Kingdom.
FOR SALE-EAST LLANGYNOG and TERRAS shares at lowest market prices.

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POR SALE—EAST LLANGTNOG and TERRAS shares at lowest market prices.

MR. HENRY MANSELL, STOCK AND SHAREDEALER,
34, GREAT WINCHESTER STERET, LONDON, E.C.
An OFFER WANTED for the following shares (or any part of same):—
5 Tankerville, £16 3a 6d
5 Bog, £2 115, 5d.
5 Wheal Uny,
50 Lianarmon, £2 5s.
5 Wheal Uny,
50 Lianarmon, £2 5s.
5 Merdaunant,
50 Pennerley, £4 1s. 5d.
50 esent quotations.
References exchanged.
Daily List of Latest Prices sent free on application.

MR. GEORGE BUDGE, STOCK AND SHAREDEALER,
No. 4, BOYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established
18. Agoes Consols, 10 Wheal Steller at net prices of:
18. Agoes Consols, 10 Wheal Kitty (St. Agnes), 4 East Darren, 3 Minera, 50
Wheal Lney, 2 West Caradon, 50 East Greaville, 65 East Llangynog, 30
Wheal Lney, 2 West Chiverton, 100 Wheal Crebor, 150 Gwydyr Park, 3 Provicees, 69 South Darren, 55 Nanglies, 2 Carm Brea, 50 Old Butholes, 100 Wheal
Arthur, 10 East Y an, 15 South Condurrow, 85 East Terras, 3 West Frances, 50
Switch Consols, 25 Frank Mills, 120 West Pant-y-Go, 100 Great Caradon, 45 Prince
18 Toolumns, 150 Front United, 100 Creuver and Wheal Abraham, 100 New Beldon,
18 Grade,
19 Front Darley Consols, 100 Creuver and Wheal Abraham, 100 New Beldon,
18 Grade,
18 Front Mills, 120 Eclipse, 50 Alamillos, 200 Bossa
18 PECIAL RUSINDER CONSOLS CONSOLS CONSOLS Ettelan, Milsera.

SPECIAL BUSINESS in Devon Great Consols, Poldice, Cook's Kitchen, Minera, Rese Pumbroke, Lisburn, Perran Wheal Virgin, and Trevarrack.

W E S T C A R A D O N M I N E . —
PETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIST,"
No. 653, of Friday, Sept. 22, 1871. Price 6d. each, forwarded on application.

MR. PETER WATSON, STOCK AND SHAREDEALER, 79, OLD BROAD STREET, LONDON, E.C. Bankers: The Alliance Bank, and Union Bank of London

TANKERVILLE—ROMAN GRAVELS,—
PRTER WATSON'S "WREKLY MINING CIRCULAR AND SHARE
LIST." No. 552, of Friday, Sept. 92, contains the latest particulars of the above,
and also of the LEADING COPPER and TIN MINES of CORNWALL.

WEEKLY MINING CIRCULAR, EVERY FRIDAY,-W LONDON DAILY RECORD, STOCK & SHARE LIST, Every Evening Published by P. WATSON, Stock and Sharedealer, 79, Old Broad street, E.C.

W. H. C U E No. 42, CORNHILL, LONDON, E.C. Daily price-list on application.

MR. E. J. BARTLETT, STOCK AND SHAREDEALER, No. 30, GREAT ST. HELEN'S, LONDON, E.C., transacts business a net prices in every description of security.

MESSRS. W. DUNN AND CO., STOCK AND SHARE-DEALERS, 3 AND 4, GREAT WINCHESTER STREET BUILDINGS, LONDON, E.C. Bankers: National Provincial Bank of England.

Bankers: National Provincial Bank of England.

FOR SALE, at prices affixed:—
20 Bog, £2 10s.
20 Bog, £2 10s.
30 Brounfoyd, £2 7s. 6d.
25 Cashwell, ex div., £5
30 Caegynon, £1 10s.
40 Cefn Consols, £5 fully paid, £1 12s. 6d.
50 Cathedral.
25 Kon Canker, £10.
25 No. Tankerville, £2 10s.
25 No. Tankerville, £1 0s.
25 No. Tankerville, £1 0s.
26 North Pool.
27 North Pool.
28 Heast Basset, £3.
30 Bast Llangynog.
30 Perkins Beach, £1 116.
30 Paylins Each, £1 116.
30 Phylins Beach, £1 116.

RAST LLANGYNOG.—A large amount of business is being done in the shares of this undertaking. Purchasers of shares for cash will find it to their advantage to apply to the undersigned. T. E. W. THOMAS, 3, Great Winchester-street-buildings, E.C.

E D WARD BREWISAND CO.,
18 AND 19, BISHOPSGATE STREET WITHIN, CITY,
LONDON. E.C.

Mr. Brewis begs to draw attention to the prospectus of East Bottle Hill
Mining Company (Limited) in the Mining Journal of Sept. 9. The main lode
will soon be cut, and shares rise 300 per cent.
Baukers: Alliance Bank (Limited), Bartholomew-lane, E.C.

SILK AND CO., STOCK AND SHARE BROKERS, 32, REGENT STREET, PICCADILLY, W. FRANK LIMMER, Secretary.

MR. C. A. POWELL, STOCK AND SHAREDEALER, No. 1, PINNER'S COURT, OLD BROAD STREET, E.C. References exchanged. Bankers: City Bank, Finch-lane.

Twenty-six Years' Experience.

M. R. F. W. MANSELL, STOCK AND SHAREDEALER, 1. PINNER'S COURT, OLD BROAD STREET, LONDON, E.C. Daily List of closing prices in British and Foreign minesevery evening (free) References exchanged. Bankers: London Joint-Stock Bank.

WHEAL GRENVILLE, EAST WHEAL GRENVILLE, Treleigh Wood, West Caradon, Wheal Lucy, New Rosewarne, and Wheal Crebor Mines specially recommended. Wheal Grenville shares, in all probability, will be worth £20 cach; East Grenvilles, £10; Treleigh Woods, £150 West Caradons, £7; Wheal Lucy, £20; New Rosewarne, £150; and Wheal Crebor, £5. or, £5. Mr. JOHN RISLEY (SWORN) STOCK AND SHARE BROKER, 77, CORNHILL, LONDON, E.C.

M. R. W. TREGELLAS, 122, BISHOPSGATE STREET OF STORES and SHARES at close market prices.
W. T. strongly recommends for investment the shares of the Eclipse Gold Mining Company, which will soon be in a condition to make large returns of gold and silver.
W. T. also recommends the purchase of shares at once in New WHEAL CHARLOTTE THAN DECEMBER 1

gold and suver. W. T. also recommends the purchase of shares at once in New WHEAL CHAR-LOTTE TIN AND COPPER MINE COMPANY (Limited), St. Agnes, Cornwall, full particulars of which can be had on application. Bankers: Imperial Bank.

F O R S A L E:—
10 Marke Valley.
4 Buller.
5 West Chiverton.
10 Tankerville.
5 Mary Aun.

S West Universes.

WANTED—
East Caradon, £4¾. Rast Basset, £5½. West Frances.

East Seton. Rosewall Hill, 17s. 6d West Frances.

Those replying state number.

Mining shares of every description bought and sold on application to Mr.

JAMES BRENCHLEY, 32, Nicholas-lane, Lombard-street, London.

(Established Seventeen Years.) MESSRS, J. HUME AND CO., 74, OLD BROAD STREET,

LONDON, E.C.

FOR SALE—
10 Utab, £17.
10 Eberbardt.
20 Kansas, £3 prem.
50 Taquaril, 6s. 9d.
20 South Aurora.
20 Richmond Con., £2½
10 Great Vor.
prem.
10 So. Condurrow, £10½
20 Bog, £2¾.
10 So. Condurrow, £10½
20 Bog, £2¾.
20 Bog, £2¾.
20 Bog, £2¾.
21 Earn Brea, £146.
We recommend for immediate purchase and for a great rise EBERHARDT, Kansas, Richmond Consolidate, at £2½ per share.
Shares bought and sold at closest prices.
Telegrams promptly attended to.

N. N. D. CO. STOCK AND SHARE

MESSRS. ENDEAN AND CO., STOCK AND SHARE DEALERS, 85, GRACECHURCH STREET, LONDON, E.C. All marketable stocks dealt in for cash or account.

We strongly advise the prompt purchase of shares in the East Llangynog Lead Mining Company (Limited). This mine will shortly pay a dividend.

LEAD MINING COMPANY (Limited). This mine will shortly pay a dividend, Apply at once for shares as above.

Our clients will remember that we have from the first advised the purchase of the TERRAS Tin shares, believing it to be, from our own inspection, one of the best tin-paying properties in the West of England. We have now only a limited number of shares for sale. We have 50 for sale, or any portion, at £3 each if applied for at once.

Great discovery of copper in the Franco Consols Tin and Copper Mins. See Telegram at the office. The lode is similar in its character to the Devon Consols lode, and the mine is in the same district. You will do well in applying promptly for shares. We have 75 for sale, or any portion, at 25s. each for promot reply.

rompt reply. ENDEAN and Co., 85, Gracechurch-street, London, E.C.

THE CITY EXCHANGE MINING AND INVESTMENT OFFICES, 32. NEW BROAD STREET, LONDON, E.C.

ALFERD FISHER, MANAGE.

Business transacted in all marketable securities for eash or account.

Westrongly advise the purchase of EAST LLANGYNOG, FRANCO CONSOLS, and TERRAS TIN shares. Telegram inst received—Great discovery of copper in Franco Consols, Devon Consols district. Apply promptly for shares.

We have the following shares for sale, or any part:—50 East Llangynog, at 23 each; 75 Franco Consols, £14; 50 Terras also for sale.

R. C H A R L E S T H O M A S, MINING AGENT, 3. GREAT ST. HBLEN'S, LONDON, E.C.

MESSRS. A. W. THOMAS AND CO., 10, COLEMAN STREET, E.C., MINING AGENTS, AND STOCK AND SHARRDEALERS. Monthly Circular for September now ready; post free, 6d.

MESSRS, G. LAVINGTON AND A. PENNINGTON,
44, THRRADNREDLE STREKT, E.C., STOCK AND SHAREDEALERS,
have BUSINESS in the undermentioned:—
Birdseye, Kitty (St. Agues), Pacific Gold.
Bog. Mary Ann. Sweetland Creek,
Bog. Penucriey, Utah.
Great Wheal Vor. Perkins Beach
Parties wishing to purchase or scil in the foregoing are requested to make
early application.
WANTED—100 Pacific. SPECIAL BUSINESS in Tankerville.

LAVINGTON AND PENNINGTON, SWORN BROKERS.

TO INVESTORS .- NOW READY.

AVINGTON AND PENNINGTON'S "MONTHLY RECORD OF INVESTMENTS," containing an exhaustive Review of the British and Foreign Stock and Share and Money Markets, &c., with an enumeration of safe investments, paying from 10 to 20 per cent. Price 6d. pr ropy, or 5s. annually, G. Lavington and A. Pennington, 44, Threadneedle-streat, London, E.C.

SHARE INVESTMENTS.—Shares in good mines are now in great demand, and may be bought to give early and large profits if judiciously selected. The undersigned, having had considerable practical experience, offers his services to investors, and will furnish a list of his selections, both for permanent dividends and for a quick market rise.

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Established 1857.

N.B.—Mr. THOMAS, being an independent dealer, issues no circulars to induce capitalists to purchase shares that are unknown in the stock markets.

S HARES WANTED, FOR CASH:—

25 CALDBECK FELLS
50 WHEAL KITTY (St. Agnes).
15 EAST POOL.
100 PENNERLEY.
100 PENNERLEY.
101 PENNERLEY.
102 PENNERLEY.
104 PROVIDENCE.
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MESSES. GOULD SHARP AND CO., SHARB BROKERS, 23, POULTRY, LONDON, E.C. Bankers : London and Westminster, Lothbury, London E.C.

SHOULD BE SOLD:—Eclipse, Buller, West Chiverton, and SHOULD BE BOUGHT:—Carn Brea, South Frances, East Basset, Taquarli, and others, on application.

H. B. Rye, Stock and Sharebroker, 77, Old Broad-street, E.C.

M R. T. A. MUNDY, STOCK AND SHAREBROKER, 38, BISHOPSGATE STREET WITHIN, E.C. Bankers: City Bank.

PARTLETT AND CHAPMAN, STOCK AND SHARE DEALERS, 36, CORNHILL, LONDON, E.C.
"Handybook for Investors," price 198, 6d., post free,
"British Mines and Mining," price 2s. 6d., post free,

MPORTANT TO INVESTORS IN BRITISH AND FOREIGN

Consult MR. JOHN B. REYNOLDS' SPECIAL LIST OF INVESTMENTS. Sent free by post on application to JOHN B. REYNOLDS, Stock and Share Dealer, 70 and 71, Bishopsgate-street Within, London, E.C.

MR. W. E. JOHNSON (late Secretary of the Mining Exchange) bega to OFFER his SERVICES to the public in the PÜRCHASH and SALE of STOCKS and SHARES in MINES, RAILWAYS, FOREIGN BONDS, &c. Having had over 17 years' experience, and a thorough knowledge of the business, is in a position to act advantageously for his clients.

19, Pinner's-hall, Old Broad-street, London, September, 1871.

M ESSBS. HITCHENS AND NEW POULTRY CHAMBERS, LONDON, E.C., MINERAL AGENTS AND SURVEYORS.

Capt. S. Eddy Martin, Mining Engineer and Surveyor, and for many years connected with the celebrated Lisburne Mines, Cardiganshire, and now residing in Montgomeryshire, is one of the above firm. His services can be obtained to survey, inspect, and report on mining properties in the Principality, and, from his long connection with Welsh mining, investors should avail themselves of his services, which would guide them to safe and sure investments.

All communications to be addressed as above, to which prompt attention will be often.

e given. HITCHENS and Co., from personal inspection, can name three mines on which great rise must take place on their merits, II, and Co. can also name a commercial undertaking that will pay from 15 to a great rise must take place on their merits.
II. and Co. can also name a commercial unde
20 per cent., the same being a safe investment.

MR. JOHN CARTER, MINE AND SHARE DEALER, CAMBORNE, CORNWALL (Son of the late Thos. Carter), transacts Business in every description of shares at close market prices of the day. References exchanged when required.

M. R. T. W. G. R. E. R. F. I. E. L. D.,
CHURCH LANE, TAVISTOCK
PUBLIC ACCOUNTANT, AUDITOR, STOCK AND SHARE BROKER.
Sales and Purchases effected in British and Foreign Stocks, Funds, Railway
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Stock and Sharebrokers' Commissions executed in every kind of security for
This Agency particularly recommends and in the security for the se

capitalists and trustees.

This Agency particularly recommends an immediato purchase of the CASTLE GATE TIN Mining Shares as the best mineral investments of the day.

THE LONDON AND PROVINCIAL INVESTORS'
EXCHANGE (POWELL, DIXON, AND CO.),
26, CHANGE ALLEY, LOMBARD STREET, LONDON, E.C.
BUY and SELL every description of Stocks and Shares at close mark
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EAST BOTTLE HILL MINING COMPANY
The SHARE LIST will CLOSE for LONDON on SATURDAY, Sept. 23rd
instant, and MONDAY, 25th instant, for the COUNTRY.
By Order,
E. BREWIS, Secretary.

A dividend of 7s. 5d. per share was declared last week in the adjoining mine, working on part of the same lodes.

Plans and prospectuses may be had at the offices of the company, 19, Bishops-gate-street Within, City, London, E.C.

THE AUSTRALIAN AND NEW ZEALAND DIVIDEND GOLD MINES INVESTMENT COMPANY (LIMITED).

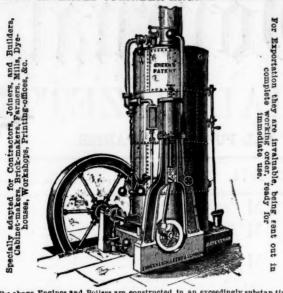
NO. III. SERIES.
The SHARE LIST WIII CLOSE THIS DAY, 23rd September instant.
THOMAS DICKER, Secretary.
Offices, 4, Royal Exchange-avenue, London, E.C.

THE GOLD MINES OF VICTORIA AND NEW ZEALAND.—
SPECIMEN COPIES of DICKER'S "AUSTRALIAN AND LONDON GAZETTE" may be had FREE by forwarding address and stamp to the office.

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WITH INVERTED CYLINDER ENGINE COMBINED



The above Engines and Boilers are constructed in an exceedingly substantia and simple manner, every part being easy of access, consequently can be readily understood and managed; they are fitted with governors, equilibrium throttle valve, stop valve, safety valve, feed pump, water and steam gauges complete. The foundation plate answers the purpose of feed water tank, in which the water is heated before passing into the boiler, and also of an ash-pit, and no backwork or foundation is required.

brickwork or foundation is required.

N.B. — Upwards of 600 of these Engines and Bollers are now at work, giving entire satisfaction.

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TO MINE PROPRIETORS, CONTRACTORS, ENGINEERS, AND OTHERS.

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CELEBRATED DOUBLE-REFINED CAST-STEEL FOR JUMPERS AND DRILLS USED FOR HARD ROCK AND MINES. Best quality at the lowest manufacturer's price. Delivered free.;

TURNER, SHEFFIELD. GENERAL DEPOT, AND STOCK OF ALL SIZES AT FERRY ROAD, MIDDLESBOROUGH-ON-TEES

References given to Cumberland, Cornwall, Scotland, and Cleveland Mines

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#### MALAM AND COMPANY,

ENGINEERS,

INVENTORS AND PATENTEES OF PORTABLE AND STA-TIONARY GAS APPARATUS,

NEW ROAD, ROTHERHITHE, LONDON.

CONTRACTORS for GAS, WATER, SUGAR WORKS, and DISTILLBRIES on the most improved principles.

Plans and specifications furnished on application

Also, INVENTORS of APPARATUS for GENERATING GAS from DEAD and other OILS, applicable to every description of FURNACES, FLUES, &

IMPROVED APPLICATION OF WATER POWER,

### THE TURBINE.

Mac Adam, Brothers, & Co. ENGINEERS,

SOHO FOUNDRY, BELFAST,

After twenty years of experience, have brought their Improved TURBINE to great perfection.
It is applicable to all practicable heights of fall giving much greater power from the water than any other kind of water-wheat.

wheel.

On low falls it has the great advantage of not being impeded by floods or back-water.

It is particularly well adapted for situations where the quantity of water is caricable, and where all other wheels fall. Its motion is extremely regular, and, when desired, a Governer can be applied effectively.

This Wheel is as work in a great many places, to which reference will be given.

By a special method of preparation, this leather is made solid, perfectly close in texture, and impermeable to water; it has, therefore, all the qualifications essential for pump buckets, and is the most durable material of which they can be made. It may be had of all dealers in leather, and of I. AND T. HEPBURN AND SONS,

TANNERS AND CURRIERS, LEATHER MILLBAND AND HOSE PIFE MANUFACTURERS,

LONG LANE, SOUTHWARK, LONDON.

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THE IRON AND COAL TRADES' REVIEW:
ROYAL EXCHANGE, MIDDLESBOROUGH.
The IRON AND COAL TRADES' REVIEW is extensively circulated amongst the
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PRIZE MEDALS-PARIS, 1867; HAVRE; 1868; HIGHLAND SOCIETY, 1870.

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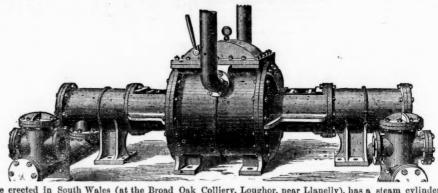
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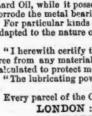
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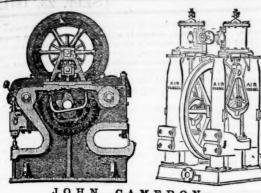


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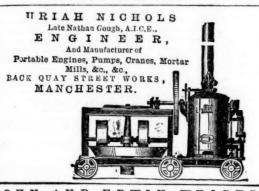
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GEORGE STARBUCK AND COMPANY (Limited).—This is another joint-stock association formed to take over and carry on the business of a private firm, this time that of Messrs. Starbuck, of Birkenhead. The capital is 50,000L, in 5000 shares of 10L each, 3000 of which are to be issued as fully paid up. The promoters of this company are—Messrs. Herbert Heath, Lynwood, Beckenham, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 39, Princess-quare, 250; T. S. Haviside, 69, Corphill, 100; Thomas Williams, Birkenhead, 50; William Martineau, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 200 shares; John Hockin, Lee Park, Lee, 50; William Martineau, 200 shares; John Hockin

POWELL UNITED LEAD MINING COMPANY (Limited).—This is FOWELL UNITED LEAD MINING COMPANY (Limited).—Inits is a new Welsh mining company, formed to acquire the Powell United Silver-Lead Mine, in the parish of Lianbadarnfaur, in Cardiganshire. The capital is 48,000t, in 9609 shares, of bl. ench. The subscribers are—J. Archer, Blackheath, 50 shares, A. H. Bogic, 90, Westbourne-terrace, 100; E. Miller, Jeffery's-road, Clanbam, I. J. G. Cooper, Bowdon, Cheshire, 100; David Smith, Liddell Hall, Haliffax, 160; H. F. Newman, Devonshire-road, South Lambeth, 1; F. A. Foyne, 13, Kingstreet, Chespaide, 50.

J. G. Cooper, Bowdon, Cheshire, 100; David Smith, Liddeli Hall, Halifax. 10; H. F. Newman, Dwonshire-road, South Lambett, 1; F. A. Foyne, 13, Kingstreet, Cheapaide, 50.

GALYHOG COLLIERY COMPANY (Limited).—This is a new company formed (with a nominal capital of 20,000. in 51. shares), to buy up the property, plant, &c., of the Galyhog and Northrop Colliery Company (Limited). The subscribers are William Jones, Merton Hall, Holywell, 100; Robert Jones, New Brighton, 10; Andrew Brown, 12, Duke-street, Liverpool, 20; J. H. Wolstenholme, Holywell, 100; Robert Jones, New Brighton, 10; Andrew Brown, 12, Duke-street, Liverpool, 2: William-Legg. Hanover-street, Liverpool, 50; Thomas Gee, Denbigh, 20; J. Woodhouse, Oidham, 100.

FOREIGN TIMES COMPANY (Limited).—Capital, 20,000L, in 51. shares. This company is established to purchase copyrights of English and forleign newspapers and other publications, and to purchase from Mr. Sangster the copyright of the Foreign Times, a newspaper is is intended to bring out. The promoters are Mr. Sangster, Subscience, lane; W. I. Patten, Saunders, Russla House, Bayswater; W. Hunnex, 41. Trafalgar-road, Old Kent-road; Martin A. Sharp, 21, Line-street; James Hutchins, 136. Leadenhall-strees; J. Farondell, 131, Marylebone-road; William Flack, 2, George-street, Camberwell. VALLONGO SLATE AND MARBLE QUARRIES COMPANY (Limited).—Capital 20,000l., in 51. shares. This company, the promoters of which are nearly the same as in the preceding, is formed to acquire and work for gala certain lands, marble quarries, and rock quarries at Vallongo, near Oporto.
NORTH VAN MINING COMPANY (Limited).—This company (capital 15,000l., in 11. shares) is formed to scarch for minerals in and upon certain lands called Gesellfa, in the parish of Trefeglwys, in Montgomeryshire. The subscribers, who take up one share each, are—T. C. Mundey, 13, Angel-court; Robert Oldrey, Lansdowne-creecent; Robert Wilson, 12, Brunswick-square, Kensington; John Hurrel, Elim House, North Brixton-road; William Williams, Llanidloes; W.

EARLE'S SHIPBUILDING AND ENGINEERING COMPANY (Limited)

Lake Thomas.

EARLE'S SHIPBUILDING AND ENGINEERING COMPANY (Limited),—Capital, 300,000£, in 6000 shares of 501 each. In the words of the published prospectrs, "this company has been formed for acquiring the shipbuilding and engineering works of Messrs. C. and W. Krie, of Hull, and the business connected therewith, and for working and extending the same. The directors are —E. J. Reed, E.-q. C.B., late chief contractor of Her Majesty's Navy, Chairman; Sir John Brown, Encilffe Hall, Sheffield; Admiral Sir K. Spencer Robinson, K.C.B., F. R.S., late controller of Her Majesty's Navy; Thomas Bingham, E-q., Releitz-park-gardens, London; John Galloway, Jun., E-q. (Messrs. W. and J. Galloway and Son-), Manchestr. Mr. Reed, the Chairman, has undertaken the management of the company for a period of five years.

CWM ELAN LEAD MINING COMPANY (Limited).—Capital 30,000£, in 30,000 shares of 11. each. This company is formed to acquire and work the Cwm Elan Mine. In Badinorshire, North Wales, just south of the well-know Van Mine. The rubscribers are—Mesars, H. H. C. Wroughton, 3, Victoria-grovette rac., Kensington, 500 shares; Richert, 19, Allen street, Goswell-street, 1000; Thomas Pauli, Llandudno, 1000; Frank H. S. Green, 3, Waterloo-place, 160; Rowland Webster, 100. Kousington-park-road, 1000; John Muddelle, Greenhill House, Maidstone, Kent, 100. Major Rowland Webster, and Restreet, 100, Kousington-park-road, 1000; John Muddelle, Greenhill House, Maidstone, Kent, 100. Major Rowland Webster, and Restreet, 100, Economics of 100, each by the shares having been privately subscribed for the share lite was closed on Thursday, the day after the issue of the prospectus.

BALTIC CORN ASSOCIATION (Limited).—This company (capital 100,000t, in 11 shares of 100, each) is formed to carry on an agency business in corn and other agricultural produce by selling the same on commission. The directors are W. E. Bott, Billiter-street; R. S. Parry, 18, Hanover-street, Hanover-street, and Alexander R. Johnstone.

CO-OPERATIVE COAL SUPPLY COMPANY (L

MINITAR COMPANIES SITEMS TO A PROPERTY OF THOMAS.

Jacob Bolomons, H. H. Murray, G. P. Moore, and Jesse Thomas.

WEARDE AND ST. GERMANS AMALGAMATED SLATE QUARRIES

COMPANY (Limited).—Capital 20,000., in 21. shares. This is a company established to acquire the lease of granite and other quarries in Cornwall. The promoters are Richard N. Collier, 88, Pall-mall; W. H. Beck, 139, Cannon-street;

W. H. Millett, Louthovell, near Lewes; W. C. Jarvis, Mount Tamar, near Plymouth; Richard Webbing, 149, Peckham-park-road, Peckham; H. Fowler, 2,
Aberdeen-villas, Tottenham; and John Summers, 25, Cornwall-street, Pimilco.

Each of these takes one share in the company's capital.

mouth; Richard Webbing, 149, Freekham-park-road, Freekham; H. Fowler, 2, Aberdeen-villas, Tottenham; and John Summers, 25, Cornwall-street, Pimilico. Each of these takes one share in the company's capital.

LYME-REGIS BLUE LIAS, CEMENT, AND HYDRAULIC LIME COMPANY (Limited).—Capital 50,0001., in 21. shares.—This is a company formed to work quarries for blue lias, cement-stone, and to carry on business as cement, brick, and tile makers and dealers. The directors are W. S. Fitzwilliam, Mark Plukerton, John F. Vosey Fitzgerald. G. S. Maitiand, and Thomas Capon.

COLORADO - CALHFORNIA GOLD AND SILVER MINING COMPANY (Limited).—This company is projected to purchase and work the California Mine, situate near Central City, Gipin county, Colorado. The capital is 80,00 i., 18000 shares of 10f. each, 1000 of which are to be issued to the vendors as fully paid up, in part payment of the purchase money. The subscribers are Joseph paid up, in part payment of the purchase money. The subscribers are Joseph Fry, Gresham House, 50 shares; Charles Reynolds, 9, Dowgate-hill, 50; James Thomson, 240, Vauxhail-bridge-road, 50; William Chaplin, 9, Crawsbay-road, North Brixton, 50; F. Williams, 12, Forest-hill-road, Peckham-rye, 1; Edward Shepherd, 25, Denmark-grove, Barnsbury, 1; and James Clutterbuck, 12, St. Thomas-street, Islington, 1. The directors are the flon. C. W. Wentworth Fitzwilliam, M.P.; Joseph Fry, Rsq.; Charles Reynolds, Esq.; Philip Callan, Rsq., M.P.; and Theodore Hikes Lowe, Esq.

#### WATSON BROTHERS,

MINING AGENTS, STOCK AND SHARE DEALERS, &c. 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

SATURDAY.—Active market for Carn Brea, at 142½ to 147½; South Carn Brea, 37s. 6d. to 42s. 6d.; Dolcoath, 180 to 185; Chontales, 2 to 2½; West Frances, 65 to 70; Utah. 17½ to 18; South Frances, 52½ to 55; and Devon Great Consols, 95 to 105. Kast Vau, 12½ to 12½; East Loveli, 12 to 12½; Great Vor, 9½ to 10; Roman Gravels, 19 to 19½; Grenville, 7 to 7½; Buller, 19 to 21; Prince of Wales, 17s. to 19s. which was the substitution of Wales, 17s. to 19s. West Frances, West Chiverton, South Frances, Prince of Wales, 12% to 32½. West Frances, West Chiverton, South Frances, Prince of Wales, and Devon Great Consols in demand and firm at quotations. West Frances, 6 to 70; West Chiverton, 18 to 19; South Frances, 55 to 69; Prince of Wales, 19s. to 70; West Chiverton, 18 to 19; South Frances, 55 to 69; Prince of Wales, 19s.

and Devon Great Consols in demand and firm at quotations. West Frances, 65 to 70; West Chiverton, 13 to 19; South Frances, 55 to 60; Prince of Wales, 19s. to 21s.; Choutales, 2 to 2½; Carn Brea, 142½ to 147½; Bog, 2½ to 2½; Don Pedro, 3½ to 33½; Eberhardt, 37½ to 38½; Dolcoath, 18s to 199; Cook's Kitchen, 30 to 31; Devou Great Consols, 95 to 105; Gwydyr Park, 17s. 66. to 27s. 6t.; South Condurrow, 9½ to 10; Tankerville, 15 to 16; Theroft, 49 to 51; West Tankerville, 33½ to 4; Kitty (St. Agnes), 10 to 10½; Uny, 8½ to 9; Pacific, 5 to 5½; Utah. 17½ to 18½.

TUESDAY.—Market again very active, the principal dealing been in Dolcoath, 40; Utah. 17½ to 18½.

TUESDAY.—Market again very active, the principal dealing been in Dolcoath, 2 to 32½; South Gran Brea, 50 th Carn Brea, Buller, South Frances, West Frances, Prince of Wales, Great Vor, Cook's Kitchen, Chontales, Utah, and East Van. Taukerville shares advanced to 16; buyers. Dolcoath, 180 to 190; Carn Brea, 142½ to 147½; South Gran Brea, 39s. to 41s.; Buller, 27½ to 32½; South Frances, 35 to 85; West Frances, 65 to 70; Prince of Wales, 18s. to 20s.; Great Vor, 10 to 10½; Cook's Kitchen, 30 to 31; Chontales, 2 to 2½; Utah, 17 to 18; East Van, 17½ to 12½; Tankerville, 16 to 17; East Lovell, 12 to 13; East Seton, 23s. to 25s.; New Lovell, 2½ to 2½; Pennerley, 3% to 4½; Roman Gravels, 18½ to 19½; West Insset. 43; to 5; South Condurrow, 9¾ to 10; Eberhardt, 27½ to 38½; Edipse, 198. to 20s.

Harset. 4% to 5; South Condurrow, 3% to 10; Ebernardt, 37% to 38%; Relipse, 19s. to 21s.

WEINESDAY.—Market moderately active for Taukerville. Utah, South Condurrow, West Chiverton, Carn Brea, Dolcoath, Devon Great Consols, and Noc Lovell. Taukerville, 16 to 16%; Utah, 17 to 17%; South Condurrow, 3% to 10; West Chiverton, 18 to 19; Carn Brea, 142% to 147%; Dolcoath, 185 to 190; Devon Great Consols, 37% to 102%; New Lovell. 2½ to 2%; Great Lazey, 16% to 17; Great Vor, 9% to 10½; North Roskear, 16% to 17%; Hunsday.—Good demand for Dolcoath, East Lovell. New Lovell, Utah, Chontales, Cook's Kitchen, South Frances, West Frances, North Roskear, Eberhardt, and Don Pedro. Dolcoath, 185 to 190; East Lovell, 13% to 14%; New Lovell, 4%; 16% to 3%; to 3%; Lubh, 17% to 17%; Chontales, 2 to 2%; Cook's Kitchen, 30 to 31; South Frances, 55 to 60; West Frances, 67% to 72%; North Roskear, 16% to 17%; Eberhardt, 37 to 38; Don Pedre, 3% to 3%; Gr.nville, 7 to 7%;

Van Consols, 25s. to 30s.; Roman Gravels, 19 to 20; Gwydyr Park, 17s. 6d. to 22s. 6d.

22s. 6d.

FRIDAT.—Active market fer West Frances, South Frances, Kitty (St. Agnes)
New Lovell, East Seton, South Condurrow, North Roskear, Chontales, Utah
and Tankerville, Bullers weaker. West Frances, 70 to 75; South Frances, 85 to
85; Kitty (Sr. Agnes), 10 to 10¼; New Lovell, 2½ to 2¾; East Seton, 25. to
30s.; South Condurrow, 10 to 10¼; North Roskear, 17 to 18; Chontales, 2 to 2¼
Utah, 17¼ to 17¾; Tankerville, 16 to 16¼; Buller, 27¼ to 30; West Chiverton
17¼ to 18¼; Prince of Wales, 17s. to 19z.; Gwydyr Park, 17s. 6d. to 22s. 6d.
Bog, 2¾ to 2¾; Pennerley, 4 to 4¼.

#### THE FOREIGN MINING COMPANIES-No. I.

It is proposed under this head to give from time to time such information relative to foreign mining companies that, judging by the communications continually being received, would appear to be required on the part of investors. The main object in view will be to recount, in as concise a form as possible, the leading features, and also to afford data whereon an opinion may be based as to the merits of the respective enterprises. Necessarily most of the subject matter will be already known to the regular readers of the Journal, every item of intelligence being published from week to week; but as the register of members of these and kindred companies are ever changing, it is hoped that such a general outline may prove of value (if only in point of reference) to all associated with this daily increasing branch of mining industry.

point of reference) to all associated with this daily increasing branch of mining industry.

There is now no less than 8,000,000l, to 10,000,000l, of English capital employed in the development of foreign mines—an amount considerably greater than at any previous period in the history of mining; and when it is remembered that in this aggregation of wealth there are directly interested no less than (say) 30,000 capitalists, and that during the past few months the capital subscribed, more especially in American mines, has been at the rate of something like 250,000L per month, the great and growing importance of this chan-250,000*l.* per month, the great and growing importance of this chan-nel for investment cannot easily be over-rated. These unmistakable evidences should show the utter futility of attempting by ill-advised statements, if not a positive distortion of facts, to stem a current which accredited statistics attest has proved highly remunerative, if only ordinary precautions are used. It is a fact, however inexir only ordinary precautions are used. It is a fact, however inexplicable it may seem, that from the moment a leading contemporary, for some reason or other, obviously turned from its usual course to endeavour to divert the rapidly growing disposition to invest in American mine adventures, there has been readily subscribed an incomparably larger amount of English capital for that purpose than during any previously similar period. The "front of the offending" would seem to be the imprudence of the English capitalist acquiring mines simply upon the invitation of wanders award these when the mines simply upon the *ipsi dixit* of vendors; surely, those who put this forward as the reason (and none other of any cogency has yet been urged) will "be surprised to hear" that in only one solitary instance has this admittedly unreasonable and unbusiness-like policy been even mooted, when as was to be expected, it most signally failed, although the whole of the capital was subscribed immediately afterwards and the subscribers processes a really valuable property. wards, and the subscribers possess a really valuable property. Another instance may be cited in which an American of large mining experience offered in the London market a mine in Nevada for 40,000 to experience offered in the London market a mine in Nevada for 40,000. The parties to whom it was introduced, who stand high in the mining world, engaged an expert from Wales to report as to the value of the property; but the report was so unequivocally discouraging that the negotiation for purchase fell through. Whereupon an influential party in San Francisco at once secured the mine, paying for it a very much larger sum than that at which it was offered in London; the result has been a realised net profit of no less than 113,000. In the short space of thirteen months! Were it desired, many other similar cases could be quoted as showing by practical results that it is not so "absurd an idea" of a vendor offering an American mine for (say) three or four years, nurchase, and simply because the capital so are three or four years' purchase, and simply because the capital so acquired can be refunded in the purchase of bona fide mining stock which can be obtained on the San Francisco Stock Exchange at an

average of not more than one or two years' purchase.

Probably it is not generally known that the annual produce of gold and silver from the mines on the Pacific Coast approximates to \$80,000,000; and that although only little more than 20 years have elapsed since mining was commenced for these metals, during that time there has been extracted something over \$1,200,000,000, to say nothing of other forms of wealth.

> ATLANTA (NEW) SILVER MINING COMPANY. CAPITAL 250,000l., IN 50,000 SHARES OF 5l. EACH.

This mine is situated in the Atlanta or Middle Boise mining district This mine is situated in the Atlanta or Middle Boise mining district. Alturas county, in the territory of Idaho. The vein is of great fertility and power, exhibiting immense croppings, and being traceable by its outcrop for a distance of more than two miles. Like the Comstock, and most other masterly lodes, several company claims have been located upon it; the first taken up, and since most extensively developed, being that of the Atlanta Silver Mining Company, which covers the boldest croppings, and what appears to be the most opulent portions of the ledge. This company's claims, embracing 1600 linear feet of the lode, was taken up and properly secured under the laws of the district in 1865, since which time it has been worked with more remunerative results than any other mine in this portion of the territory. the territory.

The Atlanta lode has been described by an American authority as one of great magnitude and wealth, occupying an ore channel broad and deep, and marked by all the features and conditions of a true fissure. The vein matter has a thickness ranging from 25 to 65 ft, on the surface, increasing in volume steadily with depth; its thickness at the lowest point reached varying from 60 to 70 ft. The enclosing walls are granite, and everywhere lined with the clay and talc selvage, indicative of a true and persistent vein. The lode stands almost vertical, and the ores consist chiefly of an antimonial and arsenical silver blende, and ruby silver, mixed with which occurs a considerable percentage of native silver. The bulk of the ore is argentiferous, though some portions of the ledge carry a notable proportion of gold. Samples of virgin silver, weighing three or four pounds, are frequently met with in the Atlanta Mine, while those weighing several ounces are constantly encountered. Much of the ore is so concentrated and compact that masses weighing 400 and 500 lbs., and of extremely high grade, are often broken in different parts of the mine. These ores assay from a few hundreds to over \$26,000 per ton in silver, according to the degree of care used in selecting the samples tested. It may be said, however, in a general way, that the first-class ores assay from \$200 to \$20,000 per ton; the second-class from \$200 to \$2000; the third-class running from \$40 to \$200 per ton. Along the line of the lode there are a number of rich chimneys or bonanzas, the heavier, and most valuable of The Atlanta lode has been described by an American authority a \$40 to \$200 per ton. Along the line of the lode there are a number of rich chimneys or bonanzas, the heaviest and most valuable of which appear to be on the claims of the Atlanta Company. But while these chimneys occur largely in this mine the precious metals are so generally diffused throughout the vein matter that almost the entire contents between the walls of the lode may be accounted malleable ore.

As the company possess water-power of its own sufficient to drive at least 100 stamps, and as all testimony concurs in establishing that the mine has ample capacity to supply all the ore necessary to keep the mine has ample capacity to supply all the ore necessary to keep that number of stamps running, it is calculated from results already obtained that an annual revenue of \$2,635,700 might be realised by the employment of the company's entire motive-power in the reduction of ores of even the third-class grade. The lode is well situated for cheap and effective development, the precipitous sides of the mountain admitting of its being open to considerable depths by means of comparatively short tunnels. The mine being surrounded by a superior grazing country, and good agricultural districts, team stocks can be kept cheapily, and most of the staple articles of existence procured at moderate rates. With the aid of the railroad already made the mines can be reached in four days from San Francisco, and in seven from New York, the time formerly required to make these journeys being twenty and forty days respectively.

That the Atlanta Mine has not been more extensively developed is owing to the difficulty that has hitherto existed in obtaining ca-

That the Atlanta Mine has not been more extensively developed is owing to the difficulty that has hitherto existed in obtaining capital for the purpose. For the same reason, the sale of the most terling mine properties can be effected only at a great sacrifice on the part of the owners, nor can money be borrowed for the erection of machinery, and the development of even the best mines, except upon the most usurious terms, the rates of interest exacted on capital contents.

pital advanced for this purpose ranging from 30 to 60 per cent. per annum. The numerous demands arising for money in a new and growing country so completely absorb the local capital as to leave little for investment in mines, more especially such as are located in remote and sparsely settled districts. Therefore it is that mineowners, who would effect sales or obtain assistance, seek countries where money is cheap, and where, while offering to capitalists the most liberal inducements, they are not themselves forced to submit to ruinous sacrifices.

Among the many favourable opinions expressed with regard to the value and producing capabilities of this mine may be mentioned that of Captain William Nancarrow, formerly the manager of the Battle Mountain Mine (now of Bog and Pennerley), who values the ore actually in sight at 600,000%, and states that "It is by far the best mine he has visited in the United States." With 50 stamps at work, the annual profit is estimated at over 135,000%.

Two competent English agents left a few days since for the mines, with the view of verifying the above valuations.

#### Meetings of Mining Companies.

#### GREAT WHEAL VOR UNITED MINING COMPANY.

Th	e general	meeting	will b	e held on	Thur	sd	ıv.	The	pro	48	
38 8	eccount fo	r the thre	ee mon	ths ending	z Jun	e i	ans.	folloy	VR .	_	141
	Black tin so	old, May 24	, and ca	rriage	£1916	12	7			_	
	ditto	June 20			2148	14	8				
	ditto	July 22			2423	5	2				
	Tribute an	d royalty	on tin	sold fron	1						
	Roseladde	on, &c			. 87	9	7				
	Haly-year's	rent of Tr	ellistck	mill to Mid							
	summer,	1871			. 7	10					
	Sundries so	ld and casl	h balanc	ев	6	11	7=	£6590	3	7	
	Mine cost— Merchants'	April, May	June .	and June	£3621					•	
	(less disco	ount)	******	**********	1937	8	10				
	Lords' dues		******		275	0	10				
	Sundry pay	ments-Lo	ndon ex	penses	2:0	7	0=	£6054	16	7	
		D.lanes (	643						-	-	

Balance (profit) ......£ 535 7 0 The cash account made up to July 31 showed a cash balance of 5141, 16s, 6d, The ground sunk and driven during the quarter was 34 fms. 4 ft. 6 in,

NORTH AMERICAN GOLD MINIMO COMMINATOR A general meeting was held at the Terminus Hotel, Cannon-street, n Wednesday,—Mr. Torress, M.P., in the chair.

Mr. May (the secretary) read the notice convening the meeting.

The CHAIRMAN said the directors had thought it desirable to call the characteristic of the control of the characteristic of the c The CHAIRMAN said the directors had thought is desirable to call the shareholders together, in order to submit a report which the directors had unanimously agreed to, the object of which he might in substance state to be this—to place before the shareholders the option of adopting that course most conducive to their interests. The directors were perfectly ready to acquiesce in whatever decision the shareholders might arrive at. The present condition of mining en-terprise induced the directors to deem it desirable to be more than on the safe side, and consequently had taken no step to commit the shareholders in any way to the proposed enterprise. After the report of the directors had been read, their desire was to know whether

port of the directors had been read, their desire was to know whether the shareholders would wish to seek further information.

Mr. Wimshurst suggested that the reports upon the mine should be read, The Chairman said it was the feeling of the directors that it would be a less of time to go into discussions which the reading of those reports would give rise to. The two reports differed in points of detail, some of great importance, and others of very little consequence. Involving such a multiplicity of disputable points the directors preferred not taking upon themselves the responsibility of deciding, but rather to wait till the report of a third person could be obtaized, as arbitrative between the two reports already obtained, then to print and circulate them among the shareholders.

Mr. COMYN wished to know the legal position of the shareholders at the present time, because a circular was sent round saying that the undertaking had been abandoned.

The SOLICITOR said he had advised the board to rule that those shareholders who wished should have notified their intention to withdraw prior to this meeting.—Mr. COMYN protested against that view, for the circular distinctly stated that the company was going to be wound-up, and, therefore, he was of opinion it had ceased to exist as a company.

Mr. SHUEER (a director) said the board were quite ready to accept any resolution the meeting pleased to pass. The directors were as much committed as the shareholders; having taken upon themselves the responsibility of becoming trustees, they had convened this meeting to decide what course should be unstated. At present they were committed to 2s. 6d. per share, and he did not be lieve the shareholders would be called upon for anything more file were decided not to purchase.

Mr. COMYN wished to know if in this question of the minority would be reled.

ecided not to purchase. Mr. Comyn wished to know if in this question of the minority would be reled

Mr. COMYN wished to know if in this question of the minority would be reled by the majority?

Mr. Barrum (a director) understood the ruling of the solicitor to be that those shareholders who took part in this meeting would be held to their application as if no circular had been issued; and the matter was entirely in the hands of the shareholders as to whether they would go on or not. If the majority decided to go on they would, of course, govern the minority, may be the matter that the majority of the majority had been supposed by the control of the kind. The Chairman sprehended in all companies the minority must submit to be governed by the majority. There was a law upon the subject, which they could not possibly after. The purpose of the circular was for the shareholders to decide for themselves whether they would close the matter or not, and they were now asked to elect.—Mr. Moss said when he subscribed his 2s. 6d, per shareit was for the purpose of investigating a mine; the investigation had taken place, and it was, at least, not conclusively satisfactory; there, he should think, the matter ended.

Mr. Suuters and the board simply told them that the matter of the control of the contr Mr. Shutter said the board simply told them that the reports were conflict og. and, not having sufficient time to go further into the matter, they had been

Mr. Stutter said the board simply told them that the reports were conflicting, and, not having sufficient time to go further into the matter, they had been obliged to relinquish the negociations; and now they were asked whether thy would agree to send out an expert from England to report upon the property, and thus afford means of judging between the two reports already received. The CHAIRMAN said that most of the directors had taken more shares that their qualification. He might mention that Dr. De Grutt's report more than confined that of Mr. Morgan's; and Dr. De Grutt's was anthenicated not only in Mr. Raymond's report, but also by Governor Stanford, the Governor of the province, who says that Dr. De Grutt is a man of influence and position. Dr. Be Grutt was so sensitive about his report being questioned that he had signed at Englishman being sent out to inspect the property; and the vendor was so satisfied as to the result that he had offered to pay for Dr. De Grutt's report if it was not confirmed.

After some further discussion, the report was received and adopted.

The retiring directors were re-elected, and a vote of thanks to the Chairms and directors terminated the proceedings.

#### GREAT WESTERN SILVER MINING COMPANY.

The first general meeting of shareholders was held at the offices, Moorgate-street, on Tuesday, Capt. J. Evans Freke Aylmer in the chair. Mr. J. H. THORNTON (the secretary) read the notice convening the

meeting.

The report of the directors stated that not only has the transfer of the miss to the company been duly recorded and certified by the State Official in Hamiton, after due examination of the deeds by local authorities on the company behalf, but that operations on the mine have commenced, and that the result aiready obtained are highly satisfactory. The representation of the company in Nevada, on matters connected with the taking possession of the property has been kindly undertaken by Mr. H. Nelson, one of the directors. Adviced the most favourable character have been received both from Mr. Nelson as Mr. Ellery. Bearing in mind the extraordinary results which are being obtained from the surrounding properties, the complete verification which has been made, so far as time would permit of the reports upon which the company was established, and the small amount of its capital, compared with similar was established, and the small amount of its capital, compared with similar was

tained from the surrounding properties, the complete verification which has been made, so far as time would permit of the reports upon which the company was established, and the small amount of its capital, compared with similar undertakings, which will enable appreciable dividends to be declared from a comparatively small revenue, the directors feel they can fairly congratulate their brother shareholders upon the possession of a property of unusual promiss, and upon the prospect of an early realisation of the best anticipations.

Mr. H. Nelson, in his letters as to the value of the property, states it woll be impossible for the most experienced to make a statement which could be obsidered as trustworthy in the present undeveloped condition of the mine, but see weeks or months at most will statisfactorily determine, and from appearates of surrounding mines he has every confidence that the result will be satisfactorily. Mr. G. B. Ellery, under date Aug. 2, states that everything appertaining the company is progressing happily. An Atlantic cable message was received a Aug. 19, to the effect that "two shafts were working satisfactorily—has stimonth. Congratulations."

The CHAIRMAN said the present meeting had been called in parsuance to the provisions of the Companies Act, which prescribed that the first meeting of a company should be held within four months of registration. He had very little to add to the report which had been called the company should be the report which had been called the company should be the report which had been called to the report which had been called the company should be the report which had been called the company and the company and the company and the company are the company and the company and the company and the company and the company are the company and the company are the company and the company and the company are the company are the company and the company are the company and the company are the company and the company are the registration. He had very little to add to the report which had been submitted, because the directors had taken care to embody every information they possessed. The company was registered on May 22, and the allotment of shares was made on June 6. The managing director, Mr. Nelson, who was a most able and working man, left for the mines on June 21, and the company received the property of July 21, and working was commenced on Aug. 2. Of course, the could scarcely expect much up to the present time, but they were straightful they possessed an excellent property, and that in a short time, when its development had progressed a little further, he had no doubt

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it would be a paying one. They had not, like Mineral Hill, a capital of 600,000L, or the Eberhardt and Aurora, of 235,000L, but only 30,000L. But if they had a small capital, he believed they had as good a properly as the Eberhardt. The shareholders had received all the letters forwarded up to the present time, except that dated Aug. 23, which gave a technical explanation of what was being done at the mine. The letter was as follows:—

"Hamilton, Aug. 23.—I have this day completed the contract for 20 ft. in the shatt No. 2, and the indications for ore are improving rapidly. We now have black lime, mixed with quartz, which in every instance on Treasure Hill has be so the barbinger of ore. I have set another contract, to sink 25 ft. deeper from the present depth of 35 feet, with the provise that if the ore is tapped the contractor drifts on is at my request. I have to pay \$18 per foot for sinking, or \$217 for drifting, and the good work is to be carried on night and day. The ore belt in shaft No. 1 is fast widening out, but has not much silver for the past two days. I think a few feet will take me into rich ore, and plenty of it. The silver being so pure there will be no trouble milling it, and the mill charges will be light—a very small deposit will canble me to pay for the mine. Our prospects are very flattering, and I have no fear but that all your expectations will be more than realised—6. B. ELLERY.

He had very little more to say except to propose the adoption of the report. He believed they had a good property, equal to any in the White Pine district, although it had cost but a small amount, and one that would return the shareholders good dividends.

A Shareholders seconded the proposition.

The Secnetary, in reply to aquestion, stated that the claim comprised 100 ft. A discussion ensured as to the cause of the present depression in the market value of South Aarora shares. It was mentioned that the rich chanber had turned out silver ore to the value of 2.0,000.

The Chairman mentioned there was already a b

#### LAGUNA SILVER MINING COMPANY (LIMITED).

LAGUNA SILVER MINING COMPANY (LIMITED).

The eighth ordinary general meeting of this company was held at the offices, 9, Union-court, Old Broad-street, on Wednesday,

Mr. C. S. HILL in the chair.

The SECRETARY read the notice convening the meeting.
The directors' report and accounts were unanimously adopted.
The following resolution was passed:—

"That the directors be requested to communicate with the board of the El Chico Silver Mining and Reduction Company (Limited), for the purpose of entring into direct negociation with them for carrying out the proposition made to them by Mr. J. R. Rule for the purchase of the Laguna Mine, and accepted by the El Chico Company, at the general meeting of their shareholders, beld on February 22 last."
It was decided to recommend the directors to make a call of 10s. on the preference shares, to meet some expenses of the company.
The retiring director, Mr. G. F. Smith, and the auditor, Mr. Swaffield, were usanimously re-elected. A vote of thanks to the Chairman and directors terminated the proceedings.

#### WHEAL GRENVILLE MINING COMPANY.

wheal greenings.

Wheal greenings of shareholders was held at the offices' George-yard, Lombard-street, on Wednesday,

Mr. Josiah Roberts in the chair.

Mr. J. Watson (secretary) read the notice convening the meeting. A statement of accounts was submitted, which showed a cash balance of 752\$\cdot 10s. 2d., and a balance of assets over the liabilities of 1186\$\cdot 3s. 2d., everything being charged up to the end of August. The profit on the three months' operations amounted to 920\$\cdot 10s. 2d., and a balance of assets over the liabilities of 1186\$\cdot 3s. 2d., everything being charged up to the end of August. The profit on the three months' operations amounted to 920\$\cdot 10s. 2d.

The report of the agent was read, as follows:—

\$89\$\cdot 19. —The 140 fm. level cross-cut is driven north from the flat-rod 11 fms., the ground is granite mixed with peach, having a southern dip or inclination, which is very favourable for the olject we have in view—South Condurrow large tin lode; driving at 12\$\cdot per fathom. The 110 fm. level cross-cut is driven north from the north shafe \$1 fms., here the ground has been harder than the 140, but it is now eased, and driving at 111\$\cdot per fm. The north shafe is nearly fulled from the 100 to the 110 fm. levels, and we hope next month to resume the sinking of it below the latter level. The 110 fm. level is driven east from the north shafe \$1 fms.; the lode is 2 feet wide, producing low-produce stamping work; this end is 11 fms. behind the winze sluking below the 100 (where we have a good lode for tild), and will be forced on with all-sped, as we shall in all probability meet with a good lode; driving at 110. per fathom. The 100 fathom level is driven east from the north shafe 4 fms.; the lode is 2 feet wide, at present worth 101. per fathom; here we have driven 34 fms., through a lode varying in value from 601. 61. 61. of 10.), per fathom, at 61. per fm. About 35 fms. long and 6 ff. high, has produced fully 1401. worth of tin, and this we samk 5 fms. high and 15 fms. long an

The CHAIRMAN said there could not be a divided opinion as to the

The CHAIRMAN said there could not be a divided opinion as to the solid grounds for congratulation, both as to the improved position and encouraging prospects of the mine. The accounts were charged up to the end of August—in other words, one month's additional costs had been charged—and the assets exceeded the liabilities by 1186L, against 1130L, at the date of the last meeting. He added that a dividend of 2s, per share would absorb 517L, while the profit upon the operations during the quarter was 920L.

Mr. F. R. Wilson said it might be satisfactory to the shareholders to know that one of the most experienced agents in Cornwall had recently inspected the mine, and written a most favourable report. The greater value was attached to this report because the writer some time since had from mere hereasy as to the merits of the mine advised him (Mr. Wilson) not to hold so large an interest. After personally inspecting the mine the same agent says "he was extremely surprised at what he saw," and concludes his report by stating that "when they cut the South Condurrow lode at the 140, which they would assuredly do, Grenville would be the greatest tin-producing mine in the whole of the district." The same agent had written privately to his personal friends, advising them to secure an interest, stating that "it would be the largest dividend-paying mine in the district."

The accounts were passed and allowed, and (with the report) was ordered to be entered on the writers of the same agent and written privately to his personal friends, advising them to secure an interest, stating that "it would be the largest dividend-paying mine

edistrict."

accounts were passed and allowed, and (with the report) was ordered to tered on the minutes.—A dividend of 2s, per share was declared, one of thanks to the Chairman terminated the proceedings.

#### ROSEWALL HILL AND RANSOM UNITED MINING CO.

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ROSEWALL HILL AND RANSOM UNITED MINING CO.

At a general meeting of shareholders, held at the mine, on Sept. 13, the accounts for May, June, and July showed a loss of 260l. 1s. 11d. on the quarter's working, and balance against the mine of 200l. 0s. 6d.

The report of Capt. Josiah Thomas, obtained by Messrs. Tyack and Whear, adventurers in the mine, having been read, it was resolved that "The maggestion to siter the price for tin paid to the tributers be not adopted, as the back in the mine, having been read, it was resolved that "The maggestion to siter the price for tin paid to the tributers be not adopted, as the back in the mine of the price of the price of the paid to the tributers be not adopted, as the back in the single price of the price of

and contrary to our expectation, they became poor. Our returns for the ensuing quarter will depend on our tutwork operations. Looking at the mine as a whole we consider our present prospects to be a listle better than for some time past, and have confidence in the future of the mine.—JOSHUA DANIEL, WM. BUGELHOLE.

Dolcoath Mine, Camborne, Sept. 12.—The following is my report of this mine, which i inspected on Friday last:—A carbona is being worked on in the 46, about 50 fms. to the west of Frank shaft. This is not so productive as formerly, and is now set on tribute. No tin of value is found to the west of this. Old fall is now set on tribute. No tin of value is found to the west of this. Old fall is now set on tribute. No tin of value is found to the west of this. Old fall is about 20 fms. short of the old engine-shaft, is sunk to near the 100 fm. level, but is full of water to the 50, and has been for many years past. There is said to be a lode in the bottom of this shaft worth 12t. to 15t, per fathom; and the 100, west of the present engine-shaft, has lately been cleared to the end, which is about 20 fms. short of the old engine-shaft. It is proposed to drive this level west, and communicate it to the shaft, when some tin ground will probably be laid oppn, which will pay for working at the present high price for tin. I do not expect, however (looking at the general character of the ground), to find anything of very great value in this part of the mine. The principal workings at present are in the eastern part of the mine, to the east of Ransom shaft. The 110 east is nearly 150 fms. east of Ransom shaft. For the whole of this distance there is scarcely any of the lode that will pay for working. The end produces a little tin, but not enough to value, 8 fms. before this end a winze is being sunk below the 100, where the lode also produces a little tin, but not enough to value, 18 fms. before this end a winze is being annih has been driven through in this level, for about 20 fms. in length, probably worth, on an

#### ENTERTAINMENT TO CAPT. THOMAS TRELOAR.

ENTERTAINMENT TO CAPT. THOMAS TRELOAR.

A good deal of dissatisfaction has lately been expressed as to Capt. THOMAS TRELOAR in connection with the General Brazilian and other mining companies, but which we believe to be undeserved. In Brazil, where his proceedings are well known, he has given unqualified satisfaction, and it would seem that on leaving the mines no English gentleman ever received more marked manifestations of respect and esteem. It affords us pleasure to refer to the subjoined, which we quote from the Anglo-Brazilian Times of Aug. 26:—

"Last night could not have passed unperceived by the linabitant of this place. In one of the best buildings of this city there was offered to Capt. Treloar a splendid ball, which was numerously attended by the principal families, and by a large number of gentlemen, who wheled to give to this distinguished personage the solemn manifestion which he so much deserves. On the industry of mining in Brazil is intimately combined with origin and progress of this industry in Brazil will recessable to ave to remember the name of the only man to whose intellectual abilities and unexampled administrative judgment we owe the prosperity of the English companies established in this country. A native of Coruwall, he came to Brazil in 1834, employed by the Goenes Company, from which he passed to the Gongo, where he rendered most relevant services to the company that explored those workings.

For the period of 17 years (from 1845 to 1822) he devoted his services to the Morro Velho Company, which owes to him, and him only, the remarkable prosperity which it attained in this period, as made manifest by the official documents of the company. After leaving the Morro Velho Capt. Treloar undertook the direction of the workings of the Don Petro North del Rey Company; the results obtained under his direction have come almost on a par with the triumphs obtained in the exploration of mines. Afterwards Capt. Treloar ruled to organise a company to explore the mines of Itabira. The great numbe

P.S.—The morning that Capt, Treloar left Itabira for England all the gentry in the city and suburbs accompanied him part of the journey, to pay him the last respects.

PESTABENA UNITED.—T. Roberts, J. Mitchell, J. Roberts, Thos. Warne: We treated in the three districts in August 756 metrical tone; gold produced, 466 ozs. 12 dwts. 13 grs.; average yield per ton, 12 dwts. 7 grs. Our produce per ton would have been higher only for our being one part of the month engaged at, Val Toppa Mine in supplying Hodgson's wire-rone, now on its telel duced, 486 css. 12 dwts. 13 grs.; average yield per ton, 12 dwts. 7 grs. Our produce per ton would have been higher only for our being one part of the month engaged at Val Toppa Mine in supplying Hodgson's wire-rope, now on its trial, with an inferior ore, and part of it we have had to amaigamate. With our present staff of miners we find not the least difficulty in supplying the rope with 60 tons of ore per day, but while the trial of the rope is going on it must be be been of ore per day, but while the trial of the rope is going on its must be be been staff of miners we find not the least difficulty in supplying the rope with 60 tons of ore per day, but while the trial of the rope is going on its must be be been staff of miners we find not stope in the back of No. 2 level, and one stope in the bottom, where the lode and the stopes in back of No. 3 level, and one stope in the bottom, where the lode is producing 30 tons per fathom or width of the lode, and the stopes in the back it tons per fathom. We estimate the ore coming from the above, in the back it tons per fathom. We estimate the ore coming from the above, in the back it tons per fathom. We estimate the ore coming from the above, in the back it tons per fathom at 12 dwts. Per ton. The intermediate end driving on the quartz lode, above No. 3 level, yields 10 tons per fathom, worth 10 dwts. per ton. The end south in No. level, on this lode, yields 14 tons per fathom, worth 10 dwts. per ton. A winse sinking in this level, 8 tons per fathom, at 12 dwts.; and a winse in No. 3 level, on the slode, yields 10 tons, at 10 dwts. No. 1 stope, in back of No. 2 level, on the find the per stope in the south end of the ground, on this lode, yields 10 tons, at 10 dwts. No. 1 stope, in back of No. 2 level, on the lode, yield 10 tons, at 10 dwts. No. 1 stope, in back of No. 2 level, on the new lode, yield 10 tons per fathom, worth 10 dwts. Per ton. No. 2 stopes, on this lode, yield 12 tons per fathom, worth 10 dwts. Per ton. No. 2 stopes, on this lode, yield 12 tons per f

reports will prove a valuable adjunct to the mine. This part of the mine has not been wrought for the last 30 years. Tin at that time was selling at 40, per ton. The lode in the carbona at the 46, west of Frank's shaft, is 12 ft, wide, worth 101, per cuble fathom. There is no particular change in our tribute department. We have 66 mon working on tutwork and 27 on tribute, at an area gartribute of 10s, in 12, at the present price of tin. We are sorry to say that during the past quarter our returns of the have considerably fallen off. This was duly notified in our reports. These stopes at the last meeting, and contrary to our expectation, they became poor. Our returns for the ensuing quarter will depend on our tutwork operations. Looking at the mine as a whole we consider our present prospects to be a little better than for some time past, and have considence in the future of the mine.—JOSHUA DANIEL, WM. BUGGLADLE.

Dolcoath Mine, Camborne, Sept. 12,—The following is my report of this mine, which I inspected on Friday last.—A carshonal hadron and the source which is a way.

The past of the skip-road from the 23 to the 23. No change in the cross-cut west in the 52; the end driving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and riving south in this level has improved, yielding source and ri

using a greater number of men at present, as such as a transfer ore lying at the mine's month ready for crushing, and at any moment with an additional 15 or 20 men this amount can be doubled or trobled without the least difficulty. At present more men would incommode the working. The tunnel when finished will help the work immensely, as being so low down the monitain side the ore from the shaft can be run out by this means, and much trouble and expense saved.

The Michigan, Mountain Chief, and Maryland have been chiefly worked, but principally only for the purpose of clearing ap and developing the sinkings themselves; consequently, much one is sight, and ready to be stoped down when the mill is finished. One stroke of the pick is sufficient to bring down large the mill is finished. One stroke of the pick is sufficient to bring down large the mill is finished. One stroke of the pick is sufficient to bring down large them and the quantity, even to my unexperienced eye, seems inexhaustible. Throughout, since Mr. Woodhouse's visit, where the workings have been extended, everything shows far greater results than were anticipated. The Mountain Chief has surprised everyone, as there are at the present moment at least 1200 to 1500 tons of or (averaging about §50 per ton) in sight, and there is severy reason to believe, from what one can see, that in this mine the ore, which literally have been expensed to the surprised everyone, as there are at the present moment at least 1200 to 1500 tons of or (averaging about §50 per ton) in sight, and there is severy reason to believe, from what one can see, that in this mine the ore, which literally have been appeared to the shaft, now 33 ft. In depth, in which case, at present thickness of ore, (easy) nearly 2 ft., there must be hundreds of tons, the distance between the two points being about 100 ft. There is no doubt that the other claims belonging to this property are extensions of the Maryland veln, and are being developed by the present workings. As regards the management, I

SLATE KIDGES FOR ROOFS.—According to the invention of Mr. JOHN THOMAS, of Bangor, the state ridge is constructed in three divisions, consisting of a top roll and two wings, which when united form a solid ridge; the wings terminate in flanges, which are placed together within a square slot cut along the under surface of the roll, and are first secured by lateral screws or rivets, and fluxily by lead, putty, or other suitable adhesive packing, the wings being secured to the ridge board by vertical screws prior to the application of the top roll. SLATE RIDGES FOR ROOFS.—According to the invention of Mr.

the top roll.

HOLLOWAY'S OINTMENT AND PILLS—BAD LEGS.—Any unnatural discharge from the skin is at all times disagreeable, but in hot weather it becomes irritating—sometimes offensive. Bad legs, old wounds, scrofuls, and scorbutic cruptions are cooled, southed, and curd by Holloway's Ointment. It at once arreats all discases of the surface by purifying and regulating the etracitation in their neighbourhood, by giving energy to the nerves of the affected part, and by expelling all poisonous and noxious matters. It ejects the seeds of all virulent cruptions and ulcerations, and thus confers no partial or temporary boon, but a complete and permanent cure. By means of these remedies all sufferers may aim at attaining health, and will invariably succeed.

#### Mining Correspondence.

#### BRITISH MINES.

BRITISH MINES.

APPLETREEWICK.—J. Wiseman, Sept. 19: The 25 is worth 20 cwts, of ore per fathom; the stopes above, 20 cwts, of ore per fathom; the 25 west, just entering the ore-bearing ground, worth 5 cwts, of ore per fathom; the stopes cast of No. 2 sump, worth 12 cwts, of ore per fathom; the stopes in sew set of ore per fathom; the stopes, is cwts, of ore per fathom; the stopes in new vein, 12 cwts, of ore per fathom. The engine-shaft is let to sink 10 fms. deeper, and will be commenced immediately. In the Village level we are rising, and expect to cut the flatting every day. The small engine for crushing is working well, 16 tons 12 cwts, of ore were dressed last week. Ore now on hand dressed, 25 tons; undressed, 124 tons; slag lead, 7 tons.
BEDFORD UNITED.—William Phillips, Sept. 21: We have considered it advantageous to continue our drivings by the side of the lode during the past week, but shall take down the lode in the different levels, so as to report their size and character next week. The stopes throughout the mine are looking much the same as for some time past. The outward appearance of the lode in the 115 west is very promisions.

the same as for some time past. The outward appearance of the local in what is very promising.

BLAEN CAELAN.—John Evans, Sept. 20: Engine-Shaft: The 20 fm. level west is not looking quite so well this week; the lode is composed of blue slate, spar, with spots of lead ore, and a small branch of mundle. The 20 cast is without alteration. The stopes over the 10 cast continue to produce the usual quantities of lead ore—the first stope in this level 15 cwts, and the second fully 2 tons of lead ore per fathom. The stopes in back of the adit, east of shaft, are looking better; the average value of these two stopes is 1 ton per fathom. All other parts of the mine are much as usual. We have this day sampled 100 tons of lead or for sale on the 25th Instant.

filed of eper fathom. The stopes in back of the adit, east of shaft, are looking better; the average value of these two stopes is 1 ton per fathom. All other parts of the mine are much as usual. We have this day sampled 100 tons of lead ore, for saie on the 28th instant.

BLUK HILLS.—S. Bennetts, A. Gripe, Sept. 16: The 65 cross-cut, north of Letcher's shaft, is being pushed on through ground much the same as it has been. In the 66 cast the lode continues to look very promising, and is producing good stones of tin, worth from 7t. to 8t, per fathom. On the same lode, in the 30, east of Joy shaft, is poor. On the Wheal Betsey lode the 13, east of Poulgear shaft, is worth 5t, per fathom. A stope below this level is worth 7t, and one above, on the sonth part, 6t, per fn. In Joy shaft, below the adit, the same lode is worth from 15t, to 2°t. per fathom. The various pitches throughout the nine are in the aggregate not quite so productive as they have been.

BOG.—W. Nancarrow, J. Lean, Sept. 20: The engine-shaft has been cleared to the bottom of the 80 fathom level, and we are very glad to state we have the shaft clear from this point to the 10°, having dropped a line 21 fathoms, and we have every reason to believe it will be found in good condition down to that level. We have yet a few sets of timber to put in to make the shaft secure to fix our standing drawing lift. We have also cleared out the 80 fm. level plat, and got into some of the levels, but could not explore them far, in consequence of their being full of debris, the greater part of which will well pay for cleaning, as it contains a good quantity of lead and blende. Assoon as we possibly can we shall clean out these levels, in order to open out tribute pitches. The footway winze leading from the 70 to the 80 has been completed, and lader road fixed. There is no change to notice in the 70 end since last report; the lode still yields a little lead and blende. Our tribute department looks much the argain 2 fathoms is now done. The lode in the 84, to the west

19. The appearance of the lode is much the same as last reported on, producing occasional spots of lead on the north part. We shall push on with all speed, so as to commence cross-cutting as soon as possible. All the machinery is working well.

CAEGYNON.—T. Hodge, Sept. 19: North Lode: The sumpmen have not yet completed their contract, but we hope, all well, to put the new lifts to work by the end of the present week. Nothing can be done in the 60 cross-cut for a few days, the water being now in the bottom. The 50 cast, to two men, at 41.102, per faction, the lode in which is poor. The 50 west, to four men, at 91, per fm: the lode will yield 12 cwts. of lead per fathom. The whize below this level is the lode will yield 12 cwts. of lead per fathom. The whize below this level hode in the end is large, with atones of lead and blende. The stope below the 40, west of No. 2 winze, to four men, at 31.173. 6d. per fathom; the lode will yield 12 cwts. of lead per fathom; worth 14 cwts. of lead per fathom. The stope below the 40, cast of No. 2 winze, to four men, at 31.173. 6d. per fathom; the lode will yield 12 cwts. of lead per fathom; worth 14 cwts. of lead per fathom. A cross-cut to drive south in the 30 to intersect the blende lode, to four men, at 81. per fathom; this is going out at a point a few fathoms further west than the present 40 end. We calculate to reach the lode in about 8 fathoms driving, and, judging from the dip of the ore gone down in the 20, we are confident we shall find the lode productive at the point of intersection.—South Lode: The 40 west, to two men, at 61, per fathom, the lode in which is worth for blende 61. per fathom. The stope in the back of this level, to two men, at 21.7es, per fm.; the lode is worth 61. per fathom. The stope in the back of the 20, to two men, at 21.7es, per fm.; the lode is worth 61. Per fathom. The stope in the back of the 20, to four men, 31.17e. 6d, per ton for blende and lead. We sampled to-day a parcel of blende computed 64 tons, and a parcel of lead 15 tons. The

commenced units mostly, and much ore. CAPE CORYWALL.—R. Pryor, J. Davey, Sept. 19: In the 100, driving east of cross-cut, the lode is 2½ ft. wide, composed of mundle, prian, and friable spar—a very kindly lode. The lode in the 100, driving west of ditto, is 2 ft. wide, consisting of mundle, peach, and spar—a promising lode. In the 100 fm. level cross-cut, driving north of engine-shaft, the ground is scarcely altered since

cross-cut, driving norm of engine-mant, too stouch as searchy attents and cour last report.

CASTLE AN DINAS.—T. Parkyn, Sept. 22: We have erected the new horse-whim, and we are drawing and traming into the stamps good work for the from this point, which is near the engine-shaft, and at this point we have immense quantities to take away. The cast pit is still yielding its usual quantities of tin, and the stamps are kept constantly at work day and night. The new shaft is being pushed on with all dispatch, and all things are going on well.

CASTLE GATE.—T. Parkyn, Sept. 22: Since my last report we have driven the adit south, and have cut into another lode; this lode is called Duck's Pool lede. I cannot as yet say how large the lode; the say that we have plenty of water coming from the lode, which makes mo believe it is a large one, and that some good work for tin has been taken out, but I will write more about this next week.

next week.

CATHEDRAI.—Joseph Michell, Sept. 21: Colonel's Engine-shaft: You are aware nothing more can be done until we get our engine to work. Next week I hope to have the engine on the mine, when no time shall be lost in creeting the same and putting it to work. Shortly after, without a shadow of a doub on my mind, we shall meet, in sinking the shaft referred to, a rich course of copper ore. Houston's great tin lode, in driving cast of footway-shaft, in the adit level, is much the same as last reported, still producing some very good stones of tip. In clearing the adit towards Doctor's shaft satisfactory progress is being made.

adit level, is much the same as last reported, still producing some very good stones of the. In clearing the adit towards Doctor's shaft satisfactory progress is being made.

GEFN BRWYNO.—James Paull, Sept. 20: Good progress is being made in shaking the engine shaft below the 92, and we hope to be at the requisite depth for a 104 fm. level in about three weeks, when a cross-cut south will at once be started to intersect the lode. The lode in the 92 west is rather disordered, but still producing good stones of ore, and I hope will soon improve again. In the two stopes over this level west the lode varies from 4 to 8 ft. wide, worth on an average 1 ton of lead ore per fathom. The lode in the stope over same level, east of shaft, will produce 16 cwts. of lead ore per fathom. At the 80 fm. level west the lode is large, interspersed throughout with lead ore, worth from 12 to 14 cwts. per fathom, and presents a most favourable appearance. The lode in the stope over this level west yields 14 cwts. of lead and 15 cwts. of heads on the stope over the 16 cast, the lode is and 15 to 18 cwts. of lead ore per fathom. The lode in the stope over the 16 cast, the lode is 4ft, wide, and contains a little lead and blende ores, but not to value. In the stope over the 16 cast, the lode is worth from 15 to 18 cwts. of lead ore per fathom. The masons have finished the building of the wheel-pit, and sre now engaged pointing the same. The wheel-pit frame is 1 eing fixed, and the wheel will be created as quickly as possible. The dressing, &c., is going on regularly, and we shall sample 23 lons of lead or to-morrow.

CHIVERTON MOOR.—G. E. Tremayne, Sept. 20: The ground in Harris-case of water. In the 28 west we are at present engaged rising on the south part of the lode, so as to communicate with the 85 for the purpose of ventile, producing a little lead, but not sufficient to value. It is also letting out an increase of water. In the 28 west we are at present engaged rising on the south part of the lode, so as to communicate with the 8

ing on the soft coppery lode have just holed into the yellow copper or great lode. We shall now proceed to stope on the yellow copper, which is of good quality; the soft lode, on which many hundred tons have been exposed to view, may be reserved until a favourable market shall open for ores of this class.—The 55: Since last seport we stopped pumping, in order to clean out our bollers and flues, the work in the 55 was consequently su-pended.—Klimarcoo Silver Blende Ore: Operations are going on at this point scatisfactorily. The eargo of ore is complete, and lying in Wicklow.

CRENVER AND WHEAL ABRAHAM UNITED.—Wm. Kitto, W. J. Pauli, Sept. 16: Sturt's Engine-Shaft: The bob in the 13) fm. level is fixed in its place, and we are engaged in sending down the roles and putting in stays, &c., which will be complete in another week. In the 205 end west the lode is 1½ ft. wide, and worth from 161, to 121, per fathom.—Crenver Shaft: In the 130 end east he lode is the same as when last advised, producing saving work to dress. In the ise in the back of the 130 fm. level the lode is 2 ft. wide, and worth from 5% to 101, per fathom for tin and copper ore. In St. George's shaft, sinking below the 190 fm. level, the lode is 2 ft. wide, producing good stones of copper ore. In the 190 end west the lode is 2 ft. wide, producing saving work to dress, having a kindly appearance. In Pelly's engine-shaft, sinking below the 220 fm. level, the lode is 5 feet wide, producing saving work to dress, having a kindly appearance. In Pelly's engine-shaft, sinking below the 220 fm. level, the lode is 6 feet wide, producing saving work to dress, having a kindly appearance. In Pelly's engine-shaft, sinking below the 220 fm. level, the lode, and worth for tin and copper from 101, to 121, per fm., for the length of shaft (12 feet). There is no change in any other part of these mines to report. We shall sample next Tuesday 300 tons of copper ore, of good average quality.

the 199 fm. level, the lode is 2 fc. wide, producing gaving work to dross, naving a kindly appearance. In Pelly's engine-shaft, sloking below the 226 fm. level, the lode is 3 feet wide, and worth for thin and copper from 101. to 121, per fm., the lode is 3 feet wide, and worth for the and copper from 101. to 121, per fm., the lode is 3 feet wide, and worth for the and copper from 101. to 121, per fm., the lode is 3 feet wide, and worth for the and the state of the stat

driving through.

EAST BHYOTALOG.—James Dunkin, Sept. 20: There is no alteration in
either of the lev. 1- in t is m no since last week.

EAST SETON.—Joseph Vivian and Son, Henry Arthur, Sept. 21: There is no
alteration in any part of the mine worthy of particular comment since last

alteration in any part of the mine worthy of particular commentainee has week's report.

EAST TERRAS.—James Harris-James, Sept. 20: The new lode is rich in tin, being worth over 2 cwts. of that ore to the ton of thistuff; but it is now small, owing to the hard rib coming in from the north and thereby equeezing it. Capt. Pope, of Redruth, was here yesterday, and went over the mine; he thinks very highly of the property.

EAST VAN.—W. Williams, Sept. 14: The engine shaft is sunk to the depth of 16 fms. 2 ft. The cross-cut south to the shaft is driven 8 fms. 4 ft.; they have yet 2 fms. 2 ft. to reach the shaft. The cross-cut north, at the present end, is driven 10 fms. 5 ft., and is now in the lode, which shows faces of lead, but not sufficient to value. The indications to this depth are a sufficient guarantee of good results at deeper levels. The masons are now building bob-pits and blocks of engine-house.

odd results at deeper levels. The masons are now unitaring bod-pits and nices f engine-house.

EAST WHEAL BASSET.—John Lean, Sept. 21: The ground in the 130 crossnt towards the tin lode is a little easier for driving, but still in the civans,
the men belonging to the 110, west of Hodgo's cross-cut, are cutting into the
oorth wall; water issuing from it freely; it is thought the north lode is close
t hand in this direction. The 80 cross-cut is driven north about 2 fms., ground
lard. There is but little alteration to remark upon elsewhere.
EAST WHEAL GRENVILLE.—G. R. Odgers, Wm. Bennetts, Sept. 16: The
ode in the stope at the 75, west from engine-shaft, has again improved to 201.
For fathom for tin. All the other places in this mine are of the same value as
we stated on Weduesday.

per fathom for tin. All the other places in this mine are of the same value as we stated on Wednesday.

EAST WHEAL GRENVILLE.—G. R. Odgers, W. Bennetts, Sept. 19: In the 129 fm. level cross-cut, driving north, we find small branches of black ore crossing the end, but we have not yet met with a lode. The lode in the 95 east is 15 to 18 in. wide, with stones of copper ore; the same may be said of the 85 east. The lode in the 75 east is worth 2½ tons of copper ore per fathom. The winze sinking below this level is worth 7 tons, with good work for tin, and the stope above this level is worth 3 tons per fathom. The lode in the 65 east is small, producing stones of copper ore. The two stopes above this level are worth 2½ tons of copper ore per fathom cach. The stepe at the 75, west from engine-shaft, is worth for tin 201. to 251, per fathom. We have been very busy since Saturday getting the whim and crusher to vork.

EAST WHEAL LOVELL.—Richard Quentrall, Sept. 20: The lode sinking below the 80 maintains its size and value. There is no alteration in any other part of the mine.

getting the whim and crusher to york.

EAST WHEAL LOYELL—Richard Quentrall, Sept. 20: The lode slaking below the 80 maintains its size and value. There is no alteration in any other part of the mine.

FEDW.—John Paull, Sept. 20: The lod-inch plunger lift from surface to the 23 fm. level has been lengthened to the 35, and the shaft is again being sunk rapidly by nine men, and we expect to reach a 48 or 59 fm. level by the end of the year. The 35 fm. level, cask and west of shaft, is carried along the north with the control of the lode then cut through south ward to prove its size and value. In the 23 fm. level as the part of the lode then cut through south ward to prove its size and value. In the 23 fm. level as the part of the lode then cut through south ward to prove its size and value. In the 23 fm. level has been lengthened to the south of the lode then cut through south ward to prove its size and value. In the 23 fm. level has been lengthened to the strength of the lode then cut through south ward to prove its size and value. In the 23 fm. level has been lengthened to the strength of the lode its strength worth 1 lode to the cut through six long and of a worth 1 lode to the cut through six long and of a worth 1 lode of the cut through six long and of a worth 1 lode in the 10 fm. level east is still turn-one of the provide of the lode in the 25 cast is load shaft, is worth 9 tons of ore per fathom. The lode in the 25 cast is load shaft, is worth 9 tons of ore per fathom. The lode in the 25 cast is load. In the lode in the 25 cast is load shaft, is worth 9 tons of ore per fathom. The lode in the 25 cast is load to give a load of the lode in the 25 cast is load to give a load of the lode in the 25 cast is load to give a load of the lode in the 25 cast is load to give a load of the lo

of jack, which is the mother of lead; strong, large-grain yellow mundle and gossan, and is about 2 ft. big, well defined. No. 3 lode is composed of a large flookan, containing mundle, decomposed and other quartz, and portions of fine lead. The hard quartz and capels will, according to appearances, soon work out. I have never seen this lode looking so well since it has passed the crosscourse. We are paying only 40s. per fathom, but have to timber the north side of the lode.

arse. We are paying only aus. per lating, our last of the second half, in the lode.

GREAT WHEAL LOYELL.—Capt. Bray, Sept. 21: Green's shaft, in the 24

GREAT WHEAL LOVELL.—Capt. Bray. Sopt. 21: Green's shaft, in the 24 end, is suspended for the present, and have put the men in Beacon shaft, where the lode has opened out very large, and the water has much increased; price for inking, 8l. per fathom. I am in hopes we shall have something good in this very shortly. By Saturday I shall have over a ton of the for sale. No change to report in any other part of the mine.

GWYDYR PARK CONSOLS.—W. Smyth, Sept. 19: Tyntwil Mine: Our prospects here continue to improve. The stope in the 15 fathom level is now fully worth 20 cwist, of lead ore per fathom, and looking well in the bottom. Tho stope in the bottom of the 8 fm. level is worth 2½ tons of lead ore per fathom; at present we are not doing much here, owing to the inconvenience of getting away the stuff until the bottom stope is in, which is now being pushed on with a type of the convenience of getting away the stuff until the bottom stope is in, which is now being pushed on with the convenience of getting away the stuff until the bottom stope is in, which is now being pushed on which eight men. We are getting up the crusher as fast as possible, and hope to be ready to work by the end of this month. There is no change in Vuchesias new add is since last report. There are two men driving Smiths' Shop end, which continues hard and poor.

adit since last report. There are two men driving Smiths' Shop end, which continues hard and poor.

HINGSTON DOWN CONSOLS.—J. Richards, Sept. 21: In the 140, west of Balley's shaft, the lode is 5 feet wide, composed of capel, mundic, quarts, and saving work of copper ore, with some tin ore, altogether very promising. In the 120 west, we are driving by the side of the lode, and fair progress is being made. In the 110 west the lode continues a fine course of ore, worth at least 40!, per fathom. The stripping down of the valuable price of lode in Griffin's wince, below the 110 west, referred to in the general report, is progressing favourably, and will be completed in another week, when sinking will be again resumed. In the work otopes in the back of the 110 west that the same and the lode is worth quite 15!, per fathom. In the 100 west driving is still continued by the side of the lode. In the deep adit level south the ground is favourable for progress.

HOLYFIELD.—J. Peart, Sept. 20: The velo in the drift; but in working down the same as last reported. The velo in the drift, but in working down the stopes we find much better ore, and from appearance likely to improve as we get higher up. We sold on the 26th ult. to Messrs. Shield and Dinning 24 tons of lead ore, at 111. 11s. 3d. perton.

HOLYFIELD.—J. Peart, Sept. 20: The vein in the drift going west is looking a little better; not much ore in the low part of the drift, but in working down the stopes we find much better ore, and from appearance likely to improve as we get higher up. We sold on the 26th ult. to Messrs. Shield and Dinning 24 toni of lead ore, at 114. 11s. 3d. per ton.

HOWARD (Lead).—W. V. Williams, Sept. 21: For a better understanding of the points in operation here I shall hereafter call No. 1 pit Fair Play Shaft, and No. 2 the Victory Engine-shaft. There has not been any progress made in sinking the latter during the past week; the men have been engaged in stoping the back of the old love! I mentioned in a former letter, for the purpose of making a communication from one shaft to the other for ventilation; in doing this we have broken from the branches, and is lying at surface, a small pile of soild specimens of lead, and the spar part of the lode, more than 3 ft. wide, is also impregnated with lead. One of the branches referred to is on the footwall, and the other in the flookan part, on the hanging wall of the lode. We have found another old pit between these shafts full of rubbish. The sawyers have been engaged cutting boards and other pleces of timber required for going through it; this being done, the back of this old level may be stoped away in places at a profit. I can find lead in the lode close to the surface. How far west of shaft these old workings are extended I cannot say at present, it being full of rubbish. The slaking of Victory engine-shaft will hereafter be continued with a full pare of men, and all other operations we may have on hand pushed on as fast as possible during fine weather, particularly our surface operations.

LEEDS AND ST. AUBYN.—J. Curtis, Sept. 16: The 30 fm. level to drive west of Wilsonss engine-shaft, by eight men, at 64, per fathom; lode 20 inches wide, worth 71, per fathom. The 20 fm. level to drive east of Wilsons's engine-shaft, by two men, at 44, per fathom, iode lift, wide, worth 31,

in the shaft carries spots of read off.

In the shaft carries spots of read off.

In the spots of water we have been obliged to start the engine as auxiliary help.

John Davis, Sept. 20: The lode in the 50 fm. level disappoints mevery much; the lode is strong, letting out a great deal of water, yet it only produces about 10 cwts. of lead ore per fathom, and it makes me believe that the bunch of ors forms only a little above the back of this level. As I stated in my last report our water-power is done, we have not drawn any orestuff to surface since its 9th instant; the steam-engine is pumping, and with the small running stream we manage to crush a little every day, but our sampling of ore is far behind. We have several men, with four contributed by the neighbouring mine, repairing the water-course from the Bog Mine.

LLYNCLYS.—J. Lester, Sept. 21: In driving east from Ranter's shaft, the lode is improving, producing good stones of solid lead, yielding 15 cwts, of lead ore per fathom. This week we commenced to drive west on this lode from the shaft. Since cutting through the cross weln the lode is more productive, yielding '\( \frac{1}{2}\) to not ore per fathom. In driving a few yards further on the course of the inde we shall be able to sink the shaft. As the bottom of this shaft is in good ore ground, with spots of lead mixed with spar, I have not the least doubt, in going deeper in the ground, we shall find a large body of ore. The two shafts on Redfern lode, sinking east and west, are producing ore in small cuantities, as last reported.

two shafts on Redfern love, sinking cast and west, are producing ore in suan quantities, as last reported.

MINERA UNION.—J. Nicholls, Sept. 21: Low's Shaft: The lode in the \$\theta\$ yard level north is 2 feet wide, containing spots of lead, and very promising—Boundary Shaft: The lode in the 100 yard level, south of winze, produces good stones of lead—the ground is easy for progress. The pitch in the back of the 80 yard level north is worth 1 ton of lead per fathom.—Brahone's Shaft: The pitch in the back of the 80 yard level south is worth 1 ton of lead per fathom. The pitch in the back of the 80 south is worth 10 cwts, of lead per fathom. All other points without change to notice.

other points without change to notice.

MOUNT PLEASANT.—Wm. Wasley, Sept. 21: Since my last report we have
got to the heading of the flat at Bright's shaft, and have commenced to drive
out; the ground is hard at present, but I hope it will improve after we drive a
few words.

got to the heading of the flat at Bright's shaft, and have commenced to drive out; the ground is hard at present, but I hope it will improve after we drive a few yards.

NEW GROW HILL.—A. Kent, T. Trelease, Sept. 19: No change to report in the 100, the lode being the same as before described. We are getting on pretty well with clearing and securing the western shaft, having cleared and put it is good repair as far as the back of the 15.

NEW DALE.—R. Niness, Sept. 19: The vein in the 75 north is much more mixed with spar than it has been for some time past, with occasional spots of blende and sulphur; driven during the past week. 7 ft. The 75 north-western have been stoping that ground under the rise, which was put up to prove the same materials, except the lead, that the No. 2 pips is—blende, spots of sulphur, carbonate of lime, and chert; it looks very promising for lead. I am not quies satisfied with the distance yet driven in the 75 north, and shall continue this place a short distance further with two men. No. 3 pips, on Johnson's lode, it still very much disordered with a rider, although at times producing stones of solid lead ore considerably over I owt. each. This vein will ultimately prove a valuable addition to the mine.—Holly Bank: The ground here continues were hard for driving, and, being in one massive bed of limestone, even worse for driving now than it has been before, and have only been able to drive 3% ft. of ground; it is, however, in connection with a vein which we are now approach ing congenial for lead.

NEW GREAT CONSOLS.—R. Pryor, J. V. Thomas, H. Vial, Sept. 20: Our underground operations continue to look well; we have observed to alteration worthy of remark since our last report. Our surface work is progressing favourably, and we hope to have No. 5 calciner completed by Wednesday next.

NEW TRELEIGH.—S. Michell, Sept. 18: Everything in the mine is going expect for a productive lode. I never saw a prettier gossan than we have in the lode from which the assay of ore was sent you; the lod

NORTH CROFTY.—Jo-seph Vivian and Son, Wm. Thomas, Sept. 21: In the 220, west of Petherick's shaft, the lode is 4 ft. wide, producing tinstone quality. The same remark is applicable to the lode in the winze sinking under the 208 fm, level. In the 208 west the lode is 3½ ft. wide, producing a little than and copper ore.—South Lode: In the 198 west of cross-cut, from Pracd's shaft, the lode is 2 ft. wide, producing a little tin level the lode is 36 ft. wide, and tinny throughout. In the winze sinking under this level the lode is worth 101 per fathom. In the 2.8 cast and west of cross-city, west of Pracd's shaft, the lode is 2 ft. wide, producing a little tin. Recently the tin stopes have not produced so much tin as usual. Our sampling for copper will be 132 tons of good ore.

NORTH POOL.—Sept. 21: The lode in Ballarat shaft has considerably improved in character, and I am expecting to cut something good.

NORTH TANKERVILLE.—John W. Powning, Sept. 29: The engine-shaft sank 6 fms. below the adit level; set to nine men, at 201, per fathom; rockard and massive, making progress slow. I calculate it will take 8 to 10 fms. more to get down into the lode, below which the ground will be soft and the blode and to the 20, at which point we shall drive-east and west on course of the main or Snailbeach lode, and open out the mine under the old workings at and about the 20, at which point we shall drive-east and west on course of the main or Snailbeach lode, and open out the mine under the old workings at and about the edge addt, and, as we all think, in productive ground. We have complete the deep addt, and, as we all think, in productive ground. We have completed the engine-house, boller-house, bob-pit, walls for large cisters to hold condens may be a shall drive-east and west on course of the main or Snailbeach lode, and open out the mine under the old workings at and about the chimney up by the time the engineers have dropped the pump is the deep addt, and, as we all think, in productive ground. We have completed the engine

possible en have drived wide; we die; this t find the lo water is oc appearance

appearance appearance appearance appearance are accessed as a coast-of-lead as a coast-of

productive mine will be found underneath. We are not yet near the south end, but I hope soon to find whether or not the ground has been proved south to the shale. The shalt being down 23 fins, below add, it will not take a long time to divide under the old workings or south into the ore ground. No mine in the district was started under more favourable circumstances than this.

PEDNAN-DREA UNITED.—W. Tregay, J. Thomas, Sept. 16: Sump: The water was got in fork early in the week, since which the shaftmen bave employed the skip-road to the 150, and we expect to be ready for hauling from that level on Monday morning next. In the 150 west the lode is worth 40, per fm. the 140 east the lode produces occasional stones of tin. In the 140 west the lode is worth 161, per fathom. The pitch in the bottom of this level produces loewts, of black thin per fm.; lode 12 ft. wide. In the 68, east of the 160 rise, the lode is worth 81, per fathom. In the 68 west the lode is worth 61, per fathom. Street: In the 47 east the lode is worth 81, per fathom. In the 68 west the lode is worth 61, per fathom. Per fathom. In the 68 west the lode is worth 161, per fathom. In the 110 west the lode is worth 62, per fathom. The lode in the 50 west is worth 201, per fathom. The lode in the 80 west is worth 121, per fathom. The lode in the 50 west is worth 102, per fathom. The lode in the 50 west is worth 103, per fathom. The lode in the 50 west is worth 104, per fathom. The lode in the 50 west is worth 104, per fathom. The lode in the 50 west is unproductive. The lode in the 50 west is worth 104, per fathom. The lode in the 50 west is unproductive. The lode in the 30 is unproductive. We sold this day at Cawedras 12 tons 6 cwts. 1 qr. 1 lb. of black tin, at 84, 5s, per ton, for 9881, 2s, 3d., as per tin bill enclosed. No other changes to report.

PENHALLS.—S. Bennetts, Wm. Higgins, Sept. 16: In the 70, west of the engine abaft, the lode is worth 80, per fathom. At the Pink Mi

"PENIALIS.—S. Bennetts, Win. Higgins, Sept. 16: In the 70, west of the engeshart, the lode is worth 6. per fathom. The 60 north is in eavy ground, and without change. Both the 60 west and he 60 east are producing some time of the control of the c

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n the of low under the tin shaft, or this as-cut, cently

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haft is k hard . more ally fane lode e main above appleted andens-

the 60-ft. pumping-wheel. The machinery throughout the mine is in good working order.

SUTH GREAT WORK.—S. J. Reed, Sept. 20: We have an improvement in the adit end driving east of eng inc-shaft, on the Great Work lode, where it is a ft. wide, and worth 141, per fathom for tin. The ground in the engine-shaft is a little easier, and the lode quite 4 ft. wide, with a rich leader of tin. SOUTH HERODSFOOT.—W. Goldsworthy, Sept. 21: The ground in the 100 east is of the same character as for some time past, being a nice looking killas, in which are faces of lead and mundle. In the 70 west the ground is of a moderately easy nature for driving, and fair progress is being made.

SOUTH MERLIYN.—Sept. 21: The lode in the 100 yard level from the bottom of the shaft is now 2 ft. wide, and the produce is increasing. No other change. SOUTH PLYNLIMMON.—J. Walters, Sept. 20: The engine-shaft sinking below the 10 fm. level is down 19 fms. 1 ft.; the ground is of a favourable character, both for progress and mineral; the shaft is being pushed on with all possible engers. In the 1 fm. level is driving west on the course of the lode we

SOUTH PLYNLIMMON.—J. Walters, Sept. 20: The engine-shaft sinking below the 10 fm. level is down 19 fms. 1 ft.; the ground is of a favourable character, both for progress and mineral; the shaft is belong pushed on with all possible energy. In the 10 fm. level, driving west on the course of the lode we have driven 14 fms. I ft.; the lode is still holding its size, being from 3 to 4 ft. wide; we have cut through a branch of carbonate of lime, intermixed with mundle; this lanch is dippling into the lode, and we have every reason to expect to find the lode more productive when the branches unite with the main lode. The water is coung yery strong from the present end. The end is of a very kindly special productive when the branches unite with the main lode. The water is coung yery strong from the present end. The end is of a very kindly special production of the lode. Since my report of the 14th inst. we are daily meeting with strings of spar, chiefly carbonate of lime and quartz, with spots of lead and copper ore, which is undoubtedly a very good indication of meeting with a good lode. The ground is harder for progress, otherwise the lode would have been intersected ere this.

SOUTH MARD.—T. Foole, Sept. 20: Good progress is being made in sinking Thomas's engine-shaft under the 40. The branch referred to in my last reportilli produces some good work. The lode in the 40 south is locking very promising—as kindly a lode as can be seen, and likely to still improve as we get farther south. We have not taken down any of the lode in the back of the 25, in the north rise, since my last report, but shall in a few days, when I expect to find that he lode will look well.

ST JUST AMALGAMATED.—Richard Pryor, Nicholas Bartle, T. Richards, Sept. 13: Saveali's Lode: The lode in the 100, driving east of ditto, is a fix, wide, worth 41, per fathom. The lode in the 90, driving east of ditto, is a fix, wide, worth 44, per fathom. The lode in the winze sinking below the 53 is and shaft, is worth 64. per fathom. The lode in the winze si

In the 10, driving cast of winze, the lode is also worth 41, por fathom. No other change worth noticing.

ST. AGNES CONSOLS.—W. Vivian, Sept. 19: We have sunk the shaft about 3 fathoms on the north side of the new north lode; we have cut into the lode about 1f. 6 ln.; it is very kindly in appearance, producing some good the stone. We have every reason to believe that this discovery will add very much to the value of the mine.

TAMAR VALLEY.—John Goldsworthy, Sept. 2: In the 37, driving south of Weston's engine-shaft, the lode is 2½ ft. wide; from its appearance we may any day have a good lode; it is now producing flue specimens of silver lead. There is no other change to notice this weck.

TANKERVILLE.—A. Waters, Sept. 21: We are making splendid progress in sinking Watson's shaft below the 110 fm. level, having a large cavity in the middle of the sump, which goes down with an underlie that exactly suits our purpose. We have seen a rich lode in Tankerville before, but nothing like that now in the bottom, and which seems to be widening (throwing out under the hanging wall) as we go down. There was never such a quantity of solid lead ore brought out of the mine as that drawn from below the 110 fm. level to-day. The 110 sat continues to go forward in a great course of ore. The stope in and level, west of shaft, is also very rich for lead. Mumford's stope in back of the 102 is on a course of ore 3 ft. wide, with lode standing on footwall. The lode in the same level, west of Brown's shaft, is 8 to 10 ft. wide, over throughout. The vinze below the 92, between Watson's and Brown's, is also going down on a very productive lode.—Old Lode: The 74 west is still yielding good lead and blende staff, the ore course being 2½ ft. wide. Watson's shaft below dit is very near to being holed to the 21 fm. level cross-cut towards Rickard's lode, at the north shaft, also to drive on the course of the lode intersected in the ercoss-cut towards Rickard's lode, at the north shaft, also to drive on the course of the lode intersected in t

work.
TRELEIGH WOOD.-G. R. Odgers, Sept. 21: The carpenters are now engaged

pitting the roof on the engine house, and the engineers are bringing the heavy is on. The tributers are breaking a quantity of the ting the heavy is on. The tributers are breaking a quantity of the ting and the provided of the provided of

stope in back of this level, east of East Buck shaft, is worth 4L per fathom, when the stopes—still looking will. The ground in the 20 when the stopes—still looking will. The ground in the 20 million of the the stopes—still looking will. The ground in the 20 million of the the stopes—still looking will. The ground in the 20 million of the stopes—still looking will. The ground in the 20 million of the stopes—still looking will. The ground in the 20 million of the stopes—still looking will. The ground in the 20 million of the stopes—still looking will. The ground in the 20 million of the still looking will. The ground in the 20 million of the still looking will be still looking will. The ground in the 20 million of the still looking will be still looking will. The ground in the 20 million of the still looking will be still looking will. The ground in the 20 million of the still looking will be still looking will. The ground in the 20 million of the still looking will be still looking will be stoped will be still the 20 million of the still looking will be stoped will be still looking will be stoped will be still looking will be stoped will be still b

ing Hocking's shaft in the past week, but have not had any change in the lode to notice. The other parts of the mine are without much change to notice since last reported.

WHEAL BULLER.—James Inch, Sept. 19: Hocking's shaft is sunk under the 114 fm, level 2 fms. 4 ft.; the lode in the bottom of this shaft is producing the usual quantity of tin, worth 70 ft. per fathom according to assay. In the past month we have put in bearers and elstern, and fixed a drawing-lift at the 114, which is working well. We hope now to make more speed in shaking, as we have a tight lift to shik with. The 114 is driven west 5½ fathoms; the lode in this end is a strong kindly lode, worth full 141, per fathom. The 114, driving east, is driven 4½ fms.; the lode in the end is large, producing it, but not of much value. A stope in the back of the 102, west of Steven'sshaft, is worth for thin 141, per fathom. The 92, driving east of this shaft, is producing stones of the 30, west of Stephen's shaft, in on the copper lode, putting in tramroad, &c., in order to work Copper Hill part of the sett for copper ore, which will take about three months to complete, and drive a cross-cut to main part of the lode, when we hope to return some good parcels of copper ore. We have also a pare of men clearing the 60, west of the shaft, in order to drive the level, which is very kindly for copper ore. We shaft shaft, in order to drive the level, which is very kindly for copper ore. We shaft shaft, however the shaft, however the some of the pitches in this part of the mine until we get the level sclear, when we hope to set them for less tribute.

WHEAL LERKBOR.—J. Goldsworthy, Sept. 20: In the 120, east of Cock's shaft.

when we hope to return some good parcel of copper ore. We have also a pare of men clearing the 60, west of the shaft, is order to drive the level, which it is than the control of the con

At NEW ROSEWARNE MINE the engine is forking the water in a At NEW KOSEWARNE MINE the engine is forking the water in a very satisfactory manuer. The engine is a 68-in. epilinder, and was bought and erected by the former company at a cost of upwards of 20001; the present company purchased it for 4001. The mine is 94 fathoms deep, the various levels being the 12, 22, 24, 46, 88, 67, 74, 88, and 94, and these have been driven in the aggregate 1144 fathoms, and but very little ground worked away, owing to the then unremnnerative price of tin. The present company have, therefore, a large extent of ground laid laid open for them to a depth of 94 fathoms. The 58 im. level is considered the most important point, because just before the mine was suspended the lodge at this part had considerably improved, and showed indications of a good deposit of tin not far distant: this level will neck have

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resched in about a fortnight. Another important point is a cross cut in the 24 to intersect the north lode, which is supposed to be about 13 fathoms north of the main lode. The former company drove the cross-cut 4 fathoms, and then abandoued it, although their own and other independent agents strongly advised its continuance. This cross-cut the present company intend to resume as soon as possible. That the late company sold a large quantity of the and copper form a comparatively small portion of ground worked away there is not the slightest doubt, and if the present adventurers find the 58 only half as good as they are led to expect they will quickly be making good returns of tin, whilst important discoveries may soon be made in other parts of the mine, there being such a large extent of ground laid open.

TANKERVILLE.—Capt. Waters, the manager, writing after the visit of two of the directors to the mine this week, says—"They never saw richer stuff brought out of the mine than what came out yesterday, and we have never had such a day's winding of ore out of the mine as that brought out of the bottom of Watson's shaft, below the 110, today. There is a captive there such a we have a recovery the same of the to-day. There is a cavity there such as we have nevel and a rock of lead, in a separate piece, many tons weight. The great lode is a sight worth looking at, and no mistake." Owing to the lamented death of a large shareholder, whose shares, it was thought, would be offered for sale, the market price has been lower during the week; but, while it will be seen that the mine itself looks quite as and as ever, we are informed that the shares referred to are no likely to be realised.

WHEAL BULLER.—This hitherto remunerative mine, which in years past commanded a market value of 1300% per share, having upon an expenditure of 5% per 1-64th share divided a net profit of no less than 243,392%, is again making steady and progressive strides towards being ranked with such properties as Carn Brea, Cook's Kitchen, Dolcoath, East Pool, and Tincroft; and, resembling these great mines, it is found that in depth copper is being replaced by large reposits of time.

EAST TERRAS (Tin).-Lately this important property has been inspected by various mining captains of known celebrity and experience, and they all concur in the opinion that the Terras and Parkyn lodes traverse the entire set, and are rich up to the very surface; not only this, but they specially note that the proceedings hitherto adopted for their development have been judicious and economical. The works will now be pushed forward with additional vigour. The inspections have been ordered entirely by strangers, and in no case by the directors or their friends. The demand for shares has much increased.

The CASTLE GATE MINE is opening up in a very satisfactory manner; several lodes of great promise have been intersected in the adit, and the prospects are very cheering for the shareholders. This district is likely before long to become a very favourite one for the investment of money in the mines.—The shares in the Castle Gate are selling at 1 to 1½ par.

We observe that the 100L shares of the CARNFORTH HEMATITE INON COMPANY (Limited), which was established some few years since by Mesars. H. J. Walduck and Co., of Manchester, are at 100L premium per share, several transactions having taken place at this figure. The company's last dividend was at the rate of 20 per cent. per annum.

WEST TOLGUS.—After long perseverance and a heavy outlay the shareholder in this mine have reason to congratulate themselves on the recent improvements at several important points, especially in the bottom levels, which continue to open out well, and are valued at 15 tons of ore per fathom, making a produce of full 9 per cent. The sampling this week for two months amounts to 504 tons, leaving out a very considerable quantity on the floors not yet dressed.

RICHMOND CONSOLIDATED.—The following telegram was received on Sept. 21:—"Bullion produced in the last 20 days, one furnace, \$43,000." This is at the rate of over 12,000\(\ell\) gross per month for one furnace, and for the three which will soon be in operation 36,000l., one-half of which will be net profit. Upon this basis the net annual yield will be 216,000%.

CHONTALES.—The highly favourable news received from thes mines by the last mail induces us to reproduce the article we lished at the beginning of July last, together with the latest infor-

mines by the last mail induces us to reproduce the article we published at the beginning of July last, together with the latest information:—

"CHONTALES.—The re-organisation of the company has enabled the directors to obtain capital for working the mines properly. With regard to the San Benito West, Mr. Belt says—'The opening out this mine was one of the objects to be accomplished with the new capital, but we have had the good fortune to do to out of the profits,' and he estimates that this mine is now capable of yielding 4000 tons of anriferous quartz monthly. San Benito East is another mine which he says 'has been entirely opened out of the profits, and it is a grand addition to our resources. We are busy making a branch tramway from the San Benito West tramway, and when completed we shall be able to send down 1500 tons of cre per month, or even more if required.' At San Sebastian they are driving a level on the lode, and Mr. Belt believes if the works here are prosecuted 'we shall have a good mine in less than a year.' At San Pablo and Consuelo the equivalence of the conting well, and Mr. Belt says, 'We have got the standards of the revolving ones up, and the shaft fixed, and expect to announce next mail that they are fluished. This is another work being done out of profits.' It is expected that by this time the number of stamps in operation is doubled (24), and from steps already taken it is believed they will be further increased to 48 in five to all the shaft fixed they will be further increased to 48 in five to all the shaft fixed they will be further increased to 48 in five to all the shaft shade can stamp 1200 tons of ore per month, 48 should stamp 4800 tons; and, assuming the average yield to be equal to the last (rather above 15 os. per ton), it would give fully 2400 ozs., which, at 31, per os., would be 72001. The costs lately have been about 12001, per month; but, supposing them increased to 26001, it would leave \$2001, profit per month; out, supposing them increased to 26001, it would leave \$2001

The above appeared in the Journal nearly three months ago, and it is very satisfactory to find our anticipations are being so forcibly realised, as shown in the following advices by the late mail:—

"Chooktales (Klearaguan).—Mr. Belt, August 5: In opening out upon the lode at San Benito East we have cut some of the richest ore that has ever been each at these mines. The discovery is near the top of the lode, and, no doubt, is exceedingly rich; and it has further to be said in its favour that it has not been interfered with by the natives. In the last 6 feet driving the lode for 7 feet in width (which is the width of the level) has been worth 3 cas, per ton, and yesterday Captain Evans reported the end to be worth 5 cas, to the ton. How far it will continue no one can guess. But, independent of the rich leader (which in some parts will yield 100 cas. of gold to the ton), we have leader (which in some parts will yield 100 cas. of gold to the ton), we have the leader (which in some parts will yield 100 cas. of gold to the ton), we have the leader (which in some parts will yield 100 cas. of gold to the ton), we have the leader (which in some parts will yield 100 cas. of gold to the ton), we have increased the number of this mine promises to turn out a great prize. At present very little of this rich creates a per sent of the same time we had to take up and re-lay a considerable portion of the San Benito West trampay, but I am happy to say that the San Autonio Mine has considerably improved, and is again in working order. The twelve new reolving stamps are erected, and work admirably. I am glad that you are sending out 24 more heads, together with an engine-wright, to crect them and the second steam-engine. We have also had very severe weather, which has greatly impeded our general works; but, notwithstanding these hindrances we have sent to the working and general cost for the month has been \$3447\$, or 689, showing a loss of 884, to which must be added expenditure on new tramway at San Benito East, \$917\$, or 1834.

The following appeared in our City Article last week:—"Chontales shares have been largely dealt in, and leave off nart The following appeared in our City Article last week:—

"Chontales shares have been largely dealt in, and leave off par to ½ premitat is, shares II, paid, 1 to 1½; 21, paid, 2 to 2½. The advices, which will be found in another column, report a discovery which may lead to very important results. It will be remembered by many of our readers that at the Consuelo Mine a few years ago there was a rich "nail," or leader of gold, from which the native miners had obtained gold to the value of some hundreds of thousands of pounds, and that from this "nail" in the pillars or supports to the native workings the present company obtained altogether something like 40,0004, worth of gold. The shares rose to 61, per share. Unfortunately, however, the pillar were all that remained rich in Consuelo, and the supply ceased. But it would now appear from Mr. Belt's reports that a continuation of this rich deposit has been met with in San Benito all in whole, or virgin, ground; and when the mail left the lode for the width of the level, 7 ft., was worth 5 ors. of gold to the tou, with a rich "nail" or leader running through it worth 100 ors. per ton. The flaxt advices (which are due about Oct. 12) should give some extraordinary eshatenolders."

It may be added that there are 68,000 shares of 21 coals of the shareholders."

shareholders."
It may be added that there are 68,000 shares, of 21, each, of which 53,000 are fully paid, and 15,0001, have 11, called up.

EBERHARDT.—It is understood that a most satisfactory detailed report has been received. The present stamping power, it is calculated (with ore of only the ordinary grade) will yield an annual profit of over 200,000%. Some important information is embodied in a letter which appears in another column.

ENTERTAINMENT TO CAPT. THOMAS TRELOAR.—It will be seen reference to another column that an entertainment was given to Capt. Treloar prior to his leaving Brazil, as a recognition of the success achieved in the development of the Don Pedro Mine, and the satisfactory manner in which he had conducted the several enterprises under his care, With this week's Journal a SUPPLEMENTAL SHEET is given, which contains—Original Correspondence: Explosions of Gas at Collierios, No. I.; Patent's Protector' Colliery Lamp (T. Harrison); Coal Cutting Machinery (J. Rothery, S. Firth); Our Coal Supply; Boring by Machinery (Wm. Wasley); Mining in California (F. T. Haggard); Comstock Mincs, Nevada (H. H. Roche); American Mines on the Pacific Coast, and the Mining Bureau of California (H. H. Roche); On Irish and Foreign Mines—Paddy M'Carthy and his Landlord; Mining in the Pacific States; Undeveloped Mining Districts (W. Brenton); East Liangynog Silver-Lead Mine; thi-verton Moor, and its Management; Terras Tin Mining Company (Wm. Maribotough and Co.); Mining in Cardiganshire—Excursions of the Iron and Steel Institute—Manufacturing Industry of Scotland—Engineering Trades of Glasgow—Foreign Mining and Metallurgy—Foreign Mine Reports, &c. With this week's Journal a SUPPLEMENTAL SHEET is given, which

#### The Mining Market; Phices of Metals, Ores, &c.

METAL MARKET-LONDON, SEPT. 22, 1871.

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	COPPER. £ s. d. £ s. d.	IBON. Per ton.
8	Best selectedp. ton 78 0 0	Rare Welch in London S 0 0- 8 10 0
-	Tough cake and tile 76 0 0- 77 0 0	Ditto, to arrive 7 17 6-8 0 0
8	Sheathing & sheets 77 0 0- 80 0 0	Nati rode R A A-
t	Bolts 79 0 0- 80 0 0	" Staffd, in London 8 15 0-9 0 0
-	Bottoms 81 0 0- 83 0 0	Bars , ditto 8 15 0-9 2 6
	Old 60 0 0	Hoops , ditto 9 12 6-10 0 0
8	Burra Burra 77 0 0	Bars ,, at works 8 0 0
	Wireper lb. 0 0 9%-10d.	Hoops ,, ditto 8 15 0-
1	Tubes 0 0 10%-10%d.	Sheets, single 10 10 0-
3	BRASS. Per lb.	
3		
•	Sheets 8d834d.	Benned metal, ditto 4 10 0-5 10 0
,	Wire 8d	Bars, common ditto 7 0 0-7 2 6
	Tubes 8d161/2d.	Do. mrch. Tyneor Tees 7 15 0-8 0 0
3	Yellow Metal Sheathing 6%d71/4d.	Do., railway, in Wales 7 0 0-7 15 0
	Sheets	Do., Swed. in London. 10 5 0-10 10 0
	Succes 678d1d.	To arrive 0 0 0-10 5 0
	SPELTER. Per ton.	Pig, No. 1, in Clyde 3 3 0- 3 10 0
,	Foreign on the spot £18 5 0-18 10 0	Do. f.o.b. Tyne or Tees 2 9 6
B		DO. MOS. 0, 4, 1.0. D. UU, 2 6 6-2 7 0
	,, to arrive 18 5 0	Railway chairs 5 17 0-6 0 0
8	ZING.	" spikes11 0 0-12 0 0
8	In sheets 24 10 0	Indian Charcoal Pigs.
B	QUICKSILVER (p.bot.)£10 15 0- Nom.	in London, p. ton 6 5 0- 6 10 0
	TIN.	STEEL. Per ton.
•	English blocks . £136 0 0-137 0 0	
9	Do., bars (in bris.) 137 0 0-138 0 0	Swed., in kegs(rolled)12 5 0-13 0 0
9	Do., refined 140 0 0	,, (hammered) 18 0 0-14 0 0
	Banca 135 0 0-136 0 0	Ditto, in faggots15 0 0-16 0 0
	Straits 131 0 0-132 0 0	English, spring17 0 0-23 0 0
	TIN-PLATES.* Per box.	LEAD. Per ton.
	IC Charcoal, 1st qua. + 1 9 6- 1 10 6	English Pig. com 18 0 0
1		Ditto, LB
Н	IC Ditto, 2d quality 1 7 6-1 8 0	Ditto, WB Nominal.
١,		Ditto, sheet18 10 0
-		Ditto, red lead20 10 0
1		
		-Familian III
	At the works, 1s. to 1s. 6d. per b	ox less. † Add 6s. for each x.

Terne-plates 2s. per box below tin-plates of similar brand.

REMARKS.—What a contrast there is in the state of the metal trade compared with this period last year. In the Money Article of the Times of Sept. 7, 1870, it commences, "At no period during the present generation has there been a suspension of general business more complete than at the present moment." Then all the evils of war were rife; now the blessings of peace prevail. Happily the sword has been sheathed, and the sickle brought out. The harvest has been gathered, and peace, plenty, and happiness secured. Then nothing but depression and declining prices, now a cheerful feeling and advancing markets. Then nobody would and anxiety depicted on the countenances of men; now confidence is restored, credit re-established, and men a minds at ease, and if no horrid eatastropha again overtakes us what a brilliant prospect lies before us. As war proves the ruin and misery of nations, so, in like measure, does peace promote happiness and prosperity. War stops trade, peace lucroases it. Civilisation advances, improvements and inventions are brought forth, and industry is rewarded. Employment is easily obtained, and good wages commanded. The markets recover, and the value of general merchandise increases. It needs but a reference to our markets lately for a corroboration. Business is in a most healthy condition; prices are not in any way inflated by speculation, but are well supported by the requirements of consumers and shippers. The time really seems to have arrived, and completely turned round in favour of sellers, and the question in future is not likely to be so much that of price as the time of delivery; buyers will, in fact, have to submit to sellers' terms, instead of dictaing their own, as for some time past; orders may be expected to flow in with greater regularity, and be much larger, as well as more numerous. As regards prices, with the exception of slight fluctuations, which are rather to be desired than otherwise, there will probably be upward markets for a considerable time. Each day buines becomes more ex REMARKS.—What a contrast there is in the state of the metal trade coresect the ultimatum.

COPPER.—A steady rise is going on; the movement, however, at

present is devoid of excitement, being neither rapid or sudden, but gradually, step by step, it reaches a higher point. This is, perhaps, the best way it could proceed, because it is the safest and most perthe best way it could proceed, because it is the safest and most permanent, and gives the market daily additional strength, and more effectually establishes the position of prices. There is no fear of a relapse from the realisation of second-hand parcels, for the best of all reasons, that the quantity so dispersed is too ilmited to produce the least effect. By far the greater number of importers possess the ability to hold, and there is not wanting the manifest disposition to do so until prices attain a more remunerative figure. Steadiness is always a guarantee of stability, and such has been the case with the market for some time past; prices have shown but little variation, and more recently the fluctuations have been in an upward direction. In taking a retrospective glance of former years it will be found that the weakest time of the year for the market is during the summer months; they have now passed away, and, although the demand has been quiet and prices at times slightly wavering, yet the market, on the whole, has been tolerably well upheld, and sellers have now the satisfaction of reaping the benefit of the firmness they have coliectively displayed. The demand is increasing, not spasmodically but steadily; the business transacted is purely of a bona fide character and far from speculative. The smelters made no alteration in their fixed rates on Monday, although some now decline accepting further orders without an advance; as to selling cheaper, the smelters are quite incapable of doing so while the raw material advances. Nothing under 14 to 14½ per cent. can be bought. Chill bars continue to improve, and are quote 68% to 68. 10s. Sales of tough have also been effected in some instances at 77% for extended delivery, and 78% since asked. The enquiries for India sheets are mostly limited a little below current rates, but as the telegraph will quietly announce the rise that has set in here, it will probably not be improve, and are quoted 68% to 68. 10s. Sales of tough have also been effected in some instan manent, and gives the market daily additional strength, and more

from stock in London is again higher, sellers quoting 81. to 81. from stock in London is again higher, sellers quoting 8l, to 8l, 10s. Staffordshire descriptions still continue in good demand, and the leading houses will only accept orders subject to prices to be fixed next quarterday. Some firms, however, are booking at 9l, for bars, 9l, 12s. 6d, for hoops, and 10l, 10s. for sheets and plates, delivered in London. The market is very firm, and even at the above rates makers do not like engaging deeply, especially when any fixed date for delivery is stipulated. The wages question seems to have been satisfactorily arranged, and there is no doubt the men will work contentedly under the modified scale. It is a plty the masters are always so dilatory in acknowledging the men's services, and to show a proper appreciation of the men's worth. The rise in wages should emanate from the masters, and not leave it to the men to approach the subject. If the masters wish to cultivate a good feeling, and even to study their own interests, it would be surely better to demonstrate to the men the advisability of co-operating together, and not acting antagonistic to one another. It is evident from the fact of the masters complying with the present request that they are necessitated to do so, or that the prices they are obtaining will afforded it: but whichever may be the case, a little consideration of the consequences, and making a move in the matter themselves in good time, might have prevented the manifestation of power on the part of the men. It is now clear enough the masters are almost entirely in the hands of the men. The masters may know this well enough; at the same time it is foolish, to say the least, to give the men an opportunity of displaying their power. This is the old question repeated over and over again—capital against labour, the one opposing the other, instead of working together to mutual advantage. If the masters continue to work in this arbitrary manner towards the men, and take no other interest in advancing their interest from time to time, what other conduct can they

of unanimity ought to perrade both sides. It is strange indeed if the men can always see when the market will bear an advance to cover a rise in wages, and the masters are so duil that they cannot realise equally as quick; in fact, the masters have more advantages than the men, and if they took the troobie, or rather took to heart the men's welfare, and to meet the men oftener, and make them acquainted personally with the state of trade, for really there need be so secreta in business if conducted honestly and straightforwardly. a plain may varnished statement of the prices of the raw material and the prices obtained for the manufactured article made known to the men every month of two, and the wages adjusted accordingly, would so win them over to their master that we should nover hear of strikes in the iron districts, or elsswhere, if the plan were adopted. In Swedish bars there is a good enquiry, and higher-prices questions would be taken. The price in Sweden is much higher, and the iron could not be replaced here at anything approaching current rates; there is, concould not be replaced here at anything approaching current rates; there is, concould not be replaced here at anything approaching current rates; there is, concould not be replaced here at anything approaching current rates; there is, concould not be replaced here at anything approaching current rates; there is, concould not be replaced here at anything approaching current rates; there is, concould not be replaced here at anything approaching current rates; there is, concould not suppose to the interaction of Stotch which, owing partly to the advance in the Bank rate, the price double which, owing partly to the advance in the Bank rate, the price double which, owing partly to the advance in the Bank rate, the price double which, owing partly to the advance in the Bank rate, the price double which, owing partly to the advance in the Bank rate, the price double which, owever, are not likely to be affected by a rise of I per cent, in the Bank rate to a

LEAD.—There is no change to note in the value of this metal; the demand is steady, and stocks are not excessive.

SPELTER.—Silesian is still quoted about 181. 5s., but special brands have realised 10s, per ton higher. Hard has been sold at 141. Favourite brands are quoted about 15s. per ton extra.

TIN.—The sale of 300 tons of Straits by public tender, on the 20th inst., resulted in about 30 tons for arrival realising 1312. 15s., 200 tons on the spot at 1312., and 70 tons at 1302. 10s. This sale was well planned, for it stole a march upon the Dutchmen, and compelled them to throw in their support for the sake of their forthcoming sale of 2500 tons of Banca on the 29th inst. If the sale of the 300 tons of Straits had been allowed to go of badly it would naturally have considerably influenced the Banca sale, and as it is it will not help it much, for if 1311. had to be accepted for the greater portion of the 300 tons, so much larger quantity as 2500 tons should sell proportionately cheaper. The lacrease in the Bankrate, and increasing tightness of money on the Continent, will, to some extent, prejudice the sale. Sales in Holland, ex the sale, have been effected at 18½ fax, sellers asking 78 fls. The offers from France will probably be limited, as business seems to have failen off again there, and is very slowly recovering.

TIN-PLATES.—Makers have not deviated from previous quotations, and report full order books.

STEEL.—No change; market for foreign dull.

STEEL.—No change; market for foreign dull.

QUICKSILVER,—Sellers generally decline to name any price, and
the only way in which it can be procured is by leaving orders in the
hands of sellers, and giving them power to charge their own price,
but one fair transaction has taken place during the week at 101.151,

COPPER.-Messrs, J. Pitcairn-Campbell and Co. (Liverpool).-Our 

Total .... 3663 ..... 5306 ..... 12,378 ..... 1390 ..... resenting about 17,200 tons fine copper, against 21,200 tons fine . 15, 1870; 16,100 tons Sept. 15, 1869; 8900 tons Sept. 15, 1868.

Sept. 18, 1870; 16,100 tons Sept. 15, 1869; 8900 tons Sept. 15, 1868; Messrs. James and Shakspeare—In furnace stuff about 550 tons of regulus, to arrive at Swansea, have been done at 14s. per unit, under which figure there seems to be nothing obtainable. Chili bars are in about the same position as when last quoted, the seliers still hoding out for full rates, and buyers refusing to pay the same, though willing to take any parcel that may be found offering cheap. About 300 tons have changed hands at 68l, cash for Unmeneta, and 68l, 10s. per ton for same brand with two months 'prompt; 68l, per ton for good brands, and 69l, per ton each for J. Edwards. Australian extens in good demand, and for Wallaroo there are several large enquiries in the market, but the importers, having disposed of all their stock, are unable to do anything except for forward delivery. As regards English, raw descriptions have become, if anything, rather firmer, with a fair business doing, and there is also a slight improvement to note in manufactured, though as yet without any seable renewal of orders from the East.

TIN.—Of the 300 tons of Straits and Malacea which were sold by tender on the 20th inst., 70 tons realised 130s. 6d. per cwc., and 200 tons isli.

TIN.—Of the 300 tons of Straits and Maiacoa which were soid by tender on the 30th inst., 70 tons realised 130,-60, per cett,, and 290 tons 151, per cett,, and 4 tons to arrive at 131s, 9d., bids having been made for about three times the quantity offered. The market has not experienced any depression on account of this sale, and values are as high as last week, with a prespect of further advancing. Banca here has fetched 130s, 6d, to 130s, and in Holland it is reported at 78½ fis., delivery as next sale, and 79½ fis. with ordinary prompt. English has risen another is, per cett. owing to the conlined difficulty in procuring supplies of ores, which also prevents smelters from seling to any except regular customers, and only to them in small quantities.

CHEMICALS AND MINERALS.—(Messrs, J. Berger Spence and Co, Manchester)—For chemicals the market this week has been very much firms, and in a few instances prices have improved, resulting from the pressure of the last two or three months upon producers. Causatic soda is now obtainable only at an advance of Ss. or more per ton. There is a beavy demand for soda ss. Bleaching powder has at present a slight tendency upward; buyers, however, are rather slow in their purchases, anticipating a decline; eventually, no doubt, beacon's new process will materially reduce its value. Soda crystals are tolerably active. The demand for sulphate of ammonia is not quite so great, his prices show no symptons of decline. Nitrate of soda continues to advance, and iss., 9d. is now obtainable. Green copperas is in more request. The shipment of chemicals to Canada are rather large, but to the States there is a falling of. An improvement is advised in the New York market, and some large sales has been effected for present delivery and to arrive. Disinfectants are in favor, though not to the extent expected, and desirable. Benzole rather quiet. Bechromate unchanged. Prices of colitic and bematitoors have an upwardency. The Cleveland district is opening out new mines. Pyrites brink a mineral form rates. Chrome ores are expected to arrive from new sources. Mineral phosphates hold a satisfactory business; Coprolites leada susual; but Carolina claim, and are likely to claim, marked attention. A report of the discovery some rich phosphates has reached us from the Continent. There have been always the phosphates has reached us from the Continent. There have been always and the producers of asphalte, owing to the recont impetus given to the used this mineral in various combinations for street paving in London and elsewhere. CHEMICALS AND MINERALS.—(Messrs. J. Berger Spence and Co.

The MINING SHARE MARKET opened very briskly this week, with

a good demand for several mines at advanced prices.

The general markets have been seriously affected by the rather unexpected advance in the rate of discount; but mines have continued in good request. Those mostly dealt in have been Cara Brea, Docoath, West Frances, West Chiverton, South Frances, Prince of Wales, Cook's Kitchen, Great Wheal Vor, Devon Consols, South Cara Brea, Rast Van, Tankerville, South Condurrow, New Lovell, Eberhard and Aurora, South Aurora, Pacific, Don Pedro, Utah, Chontales, and

and Aurora, South Aurora, a second and Aurora, a few others.

The standard for copper ores declined on Thursday, but there seems to be a good demand for copper in France.

Great Vor, 9½ to 10½; the accounts to be presented to the quarterly general meeting, to be held on the 28th, show a profit on the quarter ending in June of 5357. 7s. The sales of tin realissd 65907. 3s. 7d. To the end of July the liabilities of the company of the 16387 11s. 2d. The quantity of ground sunk and

amounted to 16381. 11s. 2d. The quantity of ground sunk and driven during the quarter was 34 fms. 4 ft. 6 in. The monthly cost are from 18001. to 20001. per month.

Wheal Grenville, 64 to 7, ex div.; at the meeting, held on Wednedday, the accounts showed a cash balance is hand, charging costs to July, of 7521. 6s. 2d., and a dividend of 5171. 18s. (2s. per share) was declared. The statement of liabilities showed—Due to merchant, declared. The statement of liabilities showed—Due to merchants, 1864, 3s.; August cost (computed), 9304. Assets: Balance as abort, 7524, 6s. 2d.; tin ores (computed), 15504. Balance of assets over lisbilities, 11864, 3s. 2d. The tin ores sold during the quarter realised 39984 15s. 8d. and result have been reached assets over lisbilities. 39984. 15s. 8d., and would have been more but for a slight accides to the machinery. The ends in the mine are valued at 67t, per fm, and all the points in the aggregate at 374t, per fathom; and the agent hopes this month to sell tin to the value of 1500t. A large quantity of tin ground has evidently been laid open, and the 110 cash, which is here 11 fms. behind the rich winze from the 100, is an important point to come off shortly. West Frances shares have advanced to 70, 75; Cook's Kitchen, 30 to 32; Devon Great Consols, 97½ to 102½; Carn Brea, 142½ to 147½.

East Pool, 13 to 13½; at the meeting the accounts for two months showed a profit of 659t, and a dividend of 1600t, was declared. To enable the committee to make this dividend, they have adopted the 39981. 15s. 8d., and would have been more but for a slight s

showed a profit of 659L, and a dividend of 1600L was declared. The enable the committee to make this dividend, they have adopted the

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novel plan of transferring certain portions of the costs to a "suspense account" (which now amounts to 1050L); in other words, while the present shareholders are to receive regular dividends, a debt is accumulating for their successors, should the mine at any

time become poor.

Tankervilles have been largely dealt in, and at one time declined to 15; 16, but leave off better at 16 to 17. The lode is looking richer than ever in the bottom sunk below the 100. West Tankerville, 3; than ever in the bottom sunk below the 100. West Tankerville, 3\frac{3}{2} to 4; this mine is also improving, and getting into a good position. Bronfloyd stock, 100 to 105. Blaen Caelan, 1\frac{3}{4} to 1\frac{3}{2}; this mine is reported to be looking well, and sampled 100 tons of lead ore yesterday. Bog, 2\frac{3}{4} to 2\frac{3}{2}; Dolcoaths have advanced this week to 180, 190. Prince of Wales shares have been better at 18s. to 20s.; the 90 east is looking more promising. The 77 west is worth 18l, per fm. or copper, and the 77 fm. level end 10l. per fathom for tin. Gwydyr Park, 17s. 6d. to 22s. 6d.; the prospects here, the agent states, continue to improve. The stope in the 15, at the new mine, is worth 1 ton of lead per fathom, and looking well in the bottom. In the bottom of the 8 the lode is worth 2\frac{3}{2} tons per fathom. Eleven tons of lead from the old mine have been sold this week; and when the crusher is complete by the end of the month regular sales will commence from the old mine have been sold this week; and when the crusher is complete by the end of the month regular sales will commence from the new mine. West Caradon, 2½ to 2½; Allen's lode, in the 66, west of cross-cut, will turn out 2½ tons of copper ore per fathom; the 55 east, 1½ ton. Providence Mines, 24 to 25; we understand an accident has happened to the machinery here, which will interfere with the returns of tin for the next account. East Basset, 7 to 9; East Caradon, 4½ to 5½; East Lovell, 11½ to 12; East Setons have been more in request, and leave off 25s. to 30s; Great Laxey, 16½ to 1½; Great Western, 1½ to 1½; Herodsfoot, 40 to 42; Marke Valley, 5½ to 6; New Lovells in request at 2½ to 2½; North Roskear, 17 to 18; East Van, 11½ to 12.

Wheal Buller shares, which a short time

18; East Van, 11½ to 12.

Wheal Buller shares, which a short time ago were at 2l. each, and the mine so poor that many shares were forfeited and relinquished, have risen to 30, but leave off flat, at 2½ to 30. A week or ten days ago more than 100 of these forfeited or relinquished shares were sold by the company at 11l. each, and the sum so realised paid off the debt of the mine, which is looking better in Hocking's shaft. At Rosewall Hill and Ransom United meeting the accounts showed a loss of 260l. on the three months' working, and 200l. against the company. South Carn Brea shares have advanced to 2 21 and a lower. 1088 01 200%, on the three months' working, and 200%, against the company. South Carn Brea shares have advanced to 2, 21, and a large business done in them. The 130 end east is worth 35%, per fathom; the stopes in back of the 130, 35%; the 108 end east, 25%, per fathom. New Rosewarne, 55 to 65; the applies went to work 25%, per fathom. the stopes in back of the 130, 35l.; the 108 end east, 25l. per fathom. New Rosewarne, 55 to 65; the engine went to work on Saturday last, and in a short time the lode will be seen at the 58. Parys Mountain, 3 to 3½; Pennerley, 4 to 4½; Perkins Beach, 1½ to 1½; Plynlimmon, 1½ to 2½; Roman Gravels, 19 to 19½; South Condurrow, 9½ to 10½; South Frances, 56 to 58; Spearne Moor, 18 to 20; Tincroft, 48 to 50; Trumpet Consols, 16 to 18; Van, 56 to 58; Van Consols, 25s. to 30s.; West Basset, 5 to 5½; West Chiverton, 17½ to 18½; West Pant-y-Go, ½ to ½; South Caradon, 10s. to 15s.; West Seton, 130 to 140; Wheal Jane, 40 to 42½; Wheal Kitty (St. Agnes), 10 to 10½; Wheal Mary Ann, 7 to 9; Wheal Seton, 28 to 32; Wheal Uny, 9 to 9½; Hingston Down, 3 to 3½. Leeds and 5t. Aubyn, 8 to 10; we understand driving has been commenced at the bottom of the shaft on a good lode, and the returns will now increase. The last sale left a profit on the month.

month.

Foreign mines have been, on the whole, rather flatter, and not so much business doing in them. Eberhardt and Aurora declined 11., and leave off 35 to 36; the remittance this month is 53001. South Aurora declined to 2½, 3, and leave off 2½ to 3½. Pacific shares have been better, at 5 to 5½; the advices continue favourable. Chontales shares have been largely dealt in, at 2 to 2½, in anticipation of the next mail. Sweetland Creek, 3½ to 3½; the remittance for 46 days is \$6000, after paying taxes \$7500, and work a tunnel, &c., \$1100. Don Pedro, 3½ to 3½; the profit for the month of July was 30321. 3s. In the 25 a rich line of gold has been gone through, a miner's hat full of the stuff from it having yielded 300 oits; this line should, if it holds down, yield a large quantity of gold. Taqua-the dividend here is 1s. 3d. per share. Utah, 174 to 174.

The market for Mine Shares on the Stock Exchange during the The market for mine onares on the clock bachange during the week has been, in common with the railway and other markets, in a state of considerable excitement, consequent on the somewhat unexpected advance in the Bank rate of discount from 2 to 3 per cent., espected advance in the Bank rate of discount from 2 to 3 per cent., and the large efflux of bullion from the Bank and from the country, but mine shares have not suffered to anything like the extent other securities have. Foreign mines have suffered most, but even in this description in some instances an advance has been established, while shares in tin mines have maintained great steadiness, and have been in considerable demand on local buying.

In Foreign Mines Eberhardt shares are last quoted 35 to 35½. Advices have been received from the mine of an encouraging character, in addition to which a lengthy detailed report has been received, which will be issued to the shareholders in the course of a few days. Utah, 17 to 17½; further advices have been received during the week from the company's commissioner, from which it would

ceived, which will be assessed by the second Appear to be locally connected with this class of enterprise. South Aurora shares have risen from the lowest point. Advices will be found in another column. St. John del Rey shares are steady at 31 to 32. Birdseye Creek, 4 to 4½; Mr. Stone, the company's agent, writes that the main works undertaken by him for the enlargement of the company's aqueduct are being vigorously pushed forward by a large force of Chinese labourers, and that already three miles have been completed. The main tunnels are also being divisor and he is slarge force of Chinese labourers, and that already three miles have been completed. The main tunnels are also being driven, and he is of opinion that the estimates of profits in the autumn will be fully realised, and that large profits may be relied on for very many years. Chontales have been enquired for at 2 to 2½. Sweetland shares are rather less firm at 3½ to 3½; the clean up for the last run resulted in a profit of \$12,100. Don Pedro returns show an increased profit upon the month. Pacific, 5 to 5½; Captain Prideaux's reports continue to be of a highly encouraging character. Sierra Buttes are last quoted 4½ to 4½; Almada, 1 to 1½ per share. Silver Plume, 2½ to 3½; a remittance of silver ores has already been sent forward. In Lead Mines Tankerville, after falling to 15, close firm at 16 to 16½; reference is made to the report in another column. Van, 56 to 57; the driving, both east and west in the 45, or bottom level, is reported as continuing as rich as ever. East Van shares have been dealt in to a considerable extent, closing 11½ to 12. Bog, 2½ to 2½; the report from the mine is very good; it is found that the shaft is clear from the 80 to the 100; the 80 fm. levels are found to be full of staff, the whole of which will pay for passing through the dressing.

of stuff, the whole of which will pay for passing through the dressing-floors. Roman Gravels, 18\frac{3}{2} to 19\frac{1}{2}; the mine in depth is proving to be very rich. Pennendey, 4 to 4\frac{1}{2}; the sales of ore show an increase, and from present developments profits at an early date may be confidently expected. Perkins Beach, 1½ to 1½; the putting up of the underground engine is nearly completed. Great Laxey, 16½ to 17. The changes in other lead mines are unimportant.

The changes in other lead mines are unimportant.

In tin mines, West Frances have risen to 72l. buyers. Cook's Kitchen, to 31l.; Uny to 9l.; Tincrofts are steady, at 49 to 50; Carn Brea, 142½ to 145. In Buller an important advance has been established, shares being last quoted 30 to 32. North Roskear since the meeting have been dealt in at 16 to 18. In Copper Mines no appreciable change of quotations has taken place, although West Caradons are in demand. The subjoined are the closing quotations:—Carn Brea, 142½ to 145; East Lovell, 12½ to 12½; Tincroft, 49 to 50; Great Vor, 9½ to 10; Grenville, 7 to 7½; Buller, 30 to 32½; West Chiverton, 17 to 17½; Roman Gravels, 18½ to 19½; South Caradon, 190 to 210; West Caradon, 2½ to 2½; Cape Copper, 9½ to 9½; Devon Consols, 98 to 102.

The BRAGANZA GOLD MINING COMPANY, with a capital of 50,000L, in shares of 1L each, and which, it will be recollected, was formed to work the Morro Tabac freehold gold mine, have authorised Messrs. George Burnand and Co., of Lombard-street, to receive subscriptions for 14,000 unallotted shares. The company are now enabled to offer an additional inducement to investors from having acquired an additional property—the Morro da Gloria estate—upon yery in additional property—the Morro da Gloria estate—upon very

favourable terms. The company is to have a lease of the mine, with with use of mill, houses, water, timber, pasture, &c., on payment of a royalty of one-tenth. The Morro da Gioria is about six miles from the Morro Velho. There is a fine lode—the Esperanga—10 ft. wide, from which a large quantity of rich ore was extracted in the rudest manner by the Brazilians until they reached the water. There are likewise the "Mina rica," and a lode west of the Esperanga, which, in the opinion of Capt. James Eslick, of the St. John del Rey Mines, are two strong charges on locks. They can be traced on the top of in the opinion of Capt. James Eslick, of the St. John del Rey Mines, are two strong champion lodes. They can be traced on the top of the mountain for more than a quarter of a mile, the direction being in almost a straight line to the Cata Branca, which was famed for ite richness during the time it was worked. San Antonio, the most western lode, is composed of magnificent quartz and some iron; these indicate great richness when seen in auriferous lodes. Mr. H. Dumont, C.E., graduate of the Central School of Paris, reports that the conditions for working the mine on a large scale are of the most favourable description, and concludes by stating that of all the mines at present known in the province of Minas Geraes Morro Velho is the first, the second is Morro da Gloria. The reports of Capt. John Roberts and of Capt. W. H. Richards are likewise very favourable. The prospectus will be found in another column.

At the Truro Ticketing, on Thursday, 3596 tons of copper ore were sold, realising 13,799*l*.7s. The particulars of the sale were—Average standard, 101*l*. 1s.; average produce, 6½; average price per ton, 3*l*. 17s.; quantity of fine copper, 244 tons 8 cwts. The following are the particulars of the sales during the past month:—Date. Tons. Standard. Produce. Per ton. Per unit. Ore copper. Aug. 31. 1467. £101 140 ... 6½ ... £3 120 ... 11s. 6½d... £57 14 0 Sept. 21. 3596 ... 101 1 0 ... 6½ ... £3 170 ... 11 4 ... 56 12 0 Compared with the last sale, the decline has been in the standard

1. 10s., and in the price per ton of ore about 2s.

At the Great Laxey Mining Company board meeting, on Sept. 16, the directors declared a dividend of 6s. per share for the past quarter.

At the Bradda Mine meeting, on Thursday (Mr. J. Spittall in the chair), it was stated that the sales of ore during the past half-year had realised 883. 5s. 6d., and there are now on the mine about 10 tons of lead and 5s tons of copper ore. Referring to the fluancial position of the company, the Chairman stated that there was a balance of 900l. in hand. A long discussion took place as to the advisability of continuing at the same time the development of the mine at both the main points of interest—at Spittall's shaft, and also at the mine at both the main points of interest at Spittall's shaft, and also at the main engine-shaft, which is being sunk in order to effect the junction with Bulwark lode. The latter is the main point of interest in the mine, and it is upon the results to be attained by this junction that the hopes of the shareholders are at present fixed. It was agreed to concentrate all their resources towards effecting the junction. Messra. W. F. Moore and J. Spittall, the retiring directors were re-elected, and Mr. Haining appointed auditor.

At Wheal Grenville general meeting, on Wednesday, the accounts showed a cash balance in hand of 7521, 6s. 2d., and a balance of assets over liabilities of 11861, 3s. 2d., after charging up the costs to the end of August. A dividend of 2s. per 5179th share (the number of shares now affoat) was declared out of the cash balance in hand. Particulars of the meeting will be found in another column.

The letters of allotment and regret in Earle's Shipbuilding and Engineering Company were posted by Messrs. Chadwicks, Adamson, Collier, and Co., this evening. The total number of shares spontaneously applied for was 9500.

East Bottle Hill Mining Company (Limited) shares have been done at 8% to 9%.
COAL MARKET.—The supply this week has been very moderate,

only 71 fresh ships having come forward. The demand for house-hold coal exceeded the supply, and prices further advanced fully 6d. per ton. Hartley coals continue a ready sale at last week's quotations. Hetton Wallsend, 19s. 6d.; Tees Wallsend, 18s. 9d.; East Hartlepool Wallsend, 18s. 6d.; Harton Wallsend, 16s. 6d.; Hetton Lyon's Wallsend, 16s. 6d.; Hawthorn Wallsend, 16s. Ships at sea, 20. Unseld one ergo. 20. Unsold, one cargo.

#### THE LATE MR. EDWARD COOKE.

It is with the deepest regret we have to announce the death of Mr. EDWARD COOKE, at the comparatively early age of 49. Mr. Cooke has been for many years extensively and honourably connected with mining enterprise, and a regular contributor to the columns of the Journal. His whole life and character is a marked example of what may be accomplished by a determination and honesty of purpose, inasmuch as, under somewhat adverse circumstances, Mr. Cooke advanced to the first place in the community with which he was associated. His many virtues were equal only with the sincerity of his friendship. His hand was ever ready to forward the interests of the really deserving, and to assist the necessitous. His kindliness of disposition had surrounded him by an unusually large circle of friends, many of whom manifested their sympathy by paying the last tribute of respect to his memory. His loss will be long and deeply felt. Mining has thus been deprived of a most able, consistent, and strenu-

TELEGRAPHS.

WANTED, A CHIEF INSPECTOR.—
Apply, stating age, experience, &c., to Mr. HENRY MOXON, Lancashire and Yorkshire Telegraph Superintendent, Victoria Station, Manchester.

OOD LABOURERS, accustomed to MINING WORK, can have JOOD LABOURERS, accustomed to MINING WORK, can have ASSISTED PASAGES to the Colony, and CONSTANT EMPLOYMENT at the CAPE COPPER MINING COMPANY'S WORKS at the CAPE OF GOOD HOPE. The climate is healthy. For further particulars apply, by letter, to the Secretary of the Cape Copper Mining Company, 6, Queen street-place, London, E.C.

WANTED, a THOROUGHLY EXPERIENCED MANAGER for a SILVER-LEAD MINE on the CONTINENT. State salary required and full particulars by letter.

Address, "A. B.," Messrs. Whitehead, Morris, and Lowe, 168, Fenchurchstreet, E.C.

WANTED IMMEDIATELY, a GOOD PRACTICAL and EXPERIENCED AGENT to TAKE CHARGE of and MANAGE a LEAD MINE in the neighbourhood of SHREWSBURY. Must be conversant with dialling, mapping, &c., and capable of keeping the mine accounts. Apply, with testimonials and references, to F. R. A. FRANKLYN, Esq., 18, Authinfriars, London, E.C.

WANTED IMMEDIATELY, for six months, an AGENT, to accompany an ENGINEER to SOUTH AMERICA, there to EXAMINE and REPORT ON MINES.

Address, stating experience, terms, &c., to Messrs. Paddison, Son, and Liggins, 57, Lincoln's Ing-fields, W.C.

WANTED, a SITUATION as CLERK, or CONFIDENTIAL AGENT, to an IROMMASTER, COLLIERY PROPRIETOR, or to a MRRCANTILE HOUSE, &c., in town or country; he is conversant with Keeping Books by Double Entry, and with the details of Mining Operations. First-class references can be given.

Address, "J. A.," MINING JOURNAL Office, 26, Fleet-street, E.C.

WANTED, SHARES IN CARN CAMBORNE MINE.—
State number and lowest price to "Alpha," Post Office, Romsey

AN ENGINEER, proceeding to SOUTH AMERICA, would be glad to receive from Manufacturers of Mining and Railway Plant DETAILED PRICE LISTS.
Address, Messrs. PADDISON, Son, and LIGGINS, 57, Lincoln's Inn-fields, W.C.

A MINING ENGINEER, of large experience, OFFERS his SERVICES to anyone requiring REPORTS, VALUATIONS, PLANS, STIMATES, or ADVICE of any kind as to the OPENING OUT or WORKING MINERALS at home or abroad. Address, "C.V. and M.E.," MINING JOURNAL Office, 26, Fleet-street, E.C.

#### CASHIER, OR MANAGER.

OASMIER, OR MANAGER.

A GENTLEMAN, who has filled his present position as above in
a large Manufacturing Concern for the past five years, is OPEN to a
SEW ENGAGEMENT. Highest testimonials and references. Security given.
Address, 'B. S. J.,'' Mining Journal Office, 26, Fleet-street, London.
September 4, 1871.

RE REV. RICHARD SANDERS, DECEASED

FOR SALE, by the Executors, ONE HUNDRED SHARES in the NANGLES MINING COMPANY; TWENTY SHARES in the EAST CHIVERTON MINING COMPANY; and SIXTY SHARES in the WEST PANTY-YOO SILVER-LEAD MINING COMPANY. Offers required. Apply to Messrs. Cox and Sons, Solicitors, 4. Cleak-lane, London.

FOR SALE,—A FIRST-CLASS LEAD SETT. A shallow one. There are two north and south lodes running through the sett. Only one has been wrought on, and over £100 worth of lead has been sold. The engineshaft is not 15 ms. deep.

To treat for the same, apply to W. PAYNTEB, Jun., Wadebridge.

ZINC AND LEAD ORES.

I AM PAYING as follows:— BLENDE.—185s. for 63 units of zinc, deducting 3s. 5d. per unit below.

CALAMINE-10s. more than for blende.

LEAD-SILVER ORES.-215s. for 85 units of lead, deducting 3s. 3d. per un below, all the silver being paid extra 5s. per ounce troy.

ZINC AND LEAD ORES MIXED TOGETHER.-Very high prices.

The above prices are fixed for a ton (20 cwts.) of ore, f.o.b. at Antwerp.

I BUY any quantities, however large, contracting for as many years as red. Particulars by letter.

ARMAND FALLIZE, Ingénieur, à Liège (Belgium).

LLANELLY RAILWAY AND DOCK COMPANY. LIANELLY RAILWAY AND DOUG COMPANY,

OR PLUS STOCK FOR SALE, owing to a REDUCTION
of the RAILWAY MILEAGE worked by the company.

SIX LOCOMOTIVE ENGINES, with TENDERS, all in good working order,
being at present in actual use, viz.:—
1.—"Victoria," six wheels, four coupled, 5 ft. diameter, 16 in. cylinders, 24 in.

stroke.
2.—"Alfred," six wheels, four coupled, 5 ft. diameter, 13 in. cylinders, 18 in.

2.—"Alfred," six wheels, four coupled, 5 ft. diameter, 13 in. cylinders, 18 in. 8.—"Alice," six wheels, four coupled, 5 ft. diameter, 13 in. cylinders, 18 in.

stroke. 4.—" Louisa," six wheels, all coupled, 4 ft. 8% in. diameter, 16 in. cylinders,

4.—"Louisa," six wheels, all coupled, 4 ft. 8 /2 in. diameter, 16 in. cylinders, 5.—"Arthur," six wheels, all coupled, 4 ft. 8 /2 in. diameter, 16 in. cylinders,

24 in. stroke.
6. — Wales," six wheels, all coupled, 4 ft. diameter, 15 iu. cylinders, 18 in.

6. - Wales, Bix Wheels, an output, The indee, FOUR COMPOSITE PASSENGER CARRIAGES.
THREE THIRD-CLASS

THREE THIRD-CLASS

Each engine and carriage will be a separate lot.

Sale to be at Lianelly Dock on Monday, the 9th of October next, at Four o'clock in the afternoon, subject to such conditions of sale as will then be pro-

luced.

Further particulars may be obtained of the Secretary of the company—
Mr. R. GLASCODINE, Lianelly.

MR. R. GLASCODINE, Lianelly,

WESTCHIVER TON MINE,—

SHAREHOLDERS,—Do not be mislead as to the position and value of your property. Ascertain all truth by communicating with Mr. Woodward, Truro.

WANTED,—SIX SHARES.
Sellers please address "Investor," care of Mr. Woodward, Truro.

The LIST OF APPLICATIONS for SHARES WILL CLOSE on MONDAY
NEXT, the 25th September.
5, Queen-street-place, London, E.C.

AND ZINC MINING COMPANY
(LIMITED).
H. SWAFFIELD, Secretary.

OFFERS WANTED for the following MINING SHARES:—

50 GREAT SOUTH CHIVERTON.

105 LI.ANARMON.

10 EAST TRUMPET.

50 TIN VALLEY.

50 LOVELL CONSOLS.

40 GREAT ROCK.

40 EAST WHEAL REETH.

50 N'DRTH JANE.

150 THE LOVELL.

No reasonable offer refused.

No reasonable offer refused. Address, "J. P.," 438, Stockport-road, Manchester.

HEMATITE IRON ORE ROYALTY. TO BELET, OR SOLD, the RIGHT of WORKING A HEMATITE IRON ORE ROYALTY in the County of WICKLOW, IRE LAND. The ore near the surface contains 55 per cent. untaille Iron. Apply to Mr. James Saunders, 64, Darlington-street, Wolverhampton.

TO SELL, OR LET ON HIRE, for cash or deferred payments, FIFTY COAL WAGONS, hopper built, with bottom and side doors, arrying seven tons. Apply to Manston Coal Company, Leeds.

TO CONCESSIONAIRES, PROMOTERS, AND FINANCIERS. HARES IN NEW ENTERPRISES SUCCESSFULLY
INFLUENCED AND PLACED.
Address, in perfect confidence, "Operator," care of John Baptist Wolpert,
Advertising Agent, 24, Austinfriars, E.C.

ITCHENS AND CO., MINERAL AGENTS AND SURVEYORS. NEW POULTRY CHAMBERS, LONDON, E.C., REQUIRE a RESPECTABLE YOUNG MAN for OFFICE DUTIES, who is able to make Plans and Sections. He must be a good penman, and well up in figures. Apply, in own handwriting, as above, stating salary required.

GENERAL MINING OFFICES. BEDFORD FOUNDRY, TAVISTOCK, CONDUCTED BY
MR. CHARLES F. COLLOM,

MINING ENGINEER, AGENT, AND SURVEYOR,
Who undertakes the entire local Management of Mines, including Dialling,
making accurate Underground Communications and Plans,
at a stipulated salary.

Mines Inspected and faithfully Reported on, orders for which purpose should be made for Mr. Collom, or his Agent.

Promoters of New Mining Enterprises (which will bear the strictest scrutiny) rendered every assistance.

Investments in Mines arranged for Capitalists,—the condition of the companies, as well as the prospects of the Mines, being first strictly investigated.

ABRIDGED PROSPECTUS.

#### THE BRAGANZA GOLD MINING COMPANY (LIMITED). Capital, £50,000, in 50,000 shares of £1 each.

Capital, 250,000, in 50,000 shares of £1 each.

Messrs. GEO. BURNAND AND CO. are authorised to RECEIVE SUBSCRIPTIONS for 14,000 UNALLOTTED SHARES of this company.

Deposit, 2s. 6d. per share on application, and 2s. 6d. on allotment; the balance to be called up as required, but calls not to be made at intervals of less than three months.

CHARLES MORRIS, Req., Director of the United Mexican Mining Company (Limited).—CHARMAN.

BANKERS.

THE CONSOLIDATED BANK (LIMITED), Threadneedle-street, E.C.

BROKERS-Messrs. GEO. BURNAND AND CO., 69, Lombard-street, E.C.

BROKERS—Mesers. GEC. BURNAND AND CO., vs. homestiveness, howell known blorro da Gloria Mine, at a simple royalty, and situate within five miles of Morro Velho, the St. John del Rey Company's Mine, on more favourable terms than have ever hitherto been made to an Eoglish company, and it is now offered to the present shareholders and the public with all its numerous advantages, including plant, timber, pasture roads, water, &c., without any purchase, premium, or preliminary expenses, therefore none of that outlay attached to foreign gold and silver mines of the present day. The proprietor shows the great confidence he has both in his own property and in this company in thus handing it over to the Braganza.

The company's capital is ample to develope and work the respective properties, which can be done under one and the same administration at a great saving of expense.

expense.

Reports and full particulars, with forms of application for shares, can be had at the brokers, bankers, and at the office of the company.

A. Coleman-street-buildings, Moorgate-street, London, E.C.

			LE.	AD	OR	ES.			
Date.	Mincs.		Ton	s.	Price	per	to	n.	Purchasers,
Aug. 26-H	olyfield		. 24		. £11	11	3		Shield and Dinning.
Sept. 18-P	ennerley .		. 65	*****	. 11	10	6		Peter Glover.
-B	og		. 20		. 11	10	6		ditto
19-P	lynlimmon		. 20		. 11	2	0		Burry Port Company
_	ditto		. 20		. 11	2	0		Sims, Willyams, & Co.
21 - W	heal Mary	Ann	. 55		. 21	15	6		Treffry's Estate.
-	ditto	***	. 45		. 12	- 5	6		ditto
-B	allacorkish	******	. 33		. 14	15	0		Mining Co. of Ireland.

#### BLACK TIN.

Date. Mines. Tons c. q. lb. Price p. ton. Amount. Purchasers. Sept. 16—Wheal Uny ... 11 8 2 10 ... 279 5 10 ... 2 906 5 1—Redruth Tin. ——Pedn-an-drea. 12 6 1 1 ... 80 5 0 ... 988 2 3 3 —— 20—Penhalls ... 6 5 3 22 ... 80 0 0 ... 503 15 8—Daubuz.

LLYNCLYS.—During the present week in driving east from Ranter's shaft good lamps of solid lead ore are being raised and brought to surface in fact, nothing can look more promising, and the lode is still improving. Also in driving west from this shaft the lode in the end looks well. The present prospects of the mine are such as to warrant a safe investment, from the various known lodes opened upon and ores being found. Applicants for shares should lose no time, as there is every likelihood of the same being at a premium at an early date.

GLASGOW CARADON (Copper).—Great improvements are taking age in this mine. The mine has been making small profits, but from recent GLASGOW CARADON (Copper).—Great improvements are taking place in this mine. The mine has been making small profits, but from recent discoveries the sales will increase, and profits also. The stock is chiefly held in Glasgow. Two parts of Harvey's iode, only 2 fms. apart, are worth together over 351, per fathom. There are 240 fms. of ground to the east, as likely to be productive as the ground to the west, at present being worked. The mine immediately adjoins East Caradon, and is worked on the South and East Caradon lodes,

#### GMELIN'S CHEMISTRY.

Messrs. Harrison and Sons have the pleasure to announce the completion of the

HAND-BOOK OF CHEMISTRY.

Translated and Edited by HENRY WATTS, B.A., F.R.S.

The concluding volume (the 18th) will be published in October.

An INDEX to the entire work is in preparation, and will be ready in January, 1872.

HARRISON and SONS. Booksellers to Her Majesty and H.R.H. the Prince of Wales, 59, Pail Mall, London, S.W.

#### Notices to Connespondents.

• \* Much inconvenience having arisen in consequence of several of the Number during the past year being out of print, we recommend that the Journal should be filed on receipt: It then forms an accumulating useful work of reference

TRIBUTERS' ORES.—If "B. S." will calculate the quantity of fine copper in each of his five parcels at the produces given, and add the quantities together, he will, I think, find about 2:33 tons in all. This gives considerably more than 6 per cent, produce for the public parcel. It is exercised that the 32.7s. 6d. was given for 6% (not 6) per cent, ore. I will, therefore, ask whether the figures printed are those he intended? Assuming the produces of the several tributers' parcels to be correct, and that the mixed parcel made 6% produce, and sold for 31.7s. 6d. per ton, the distribution by the formula given (with a slightly smaller difference for produce which recent experience proves to be necessary) would be—

alightly smaller difference for produce which recent experience proves to be necessary) would be—

No. T. ewt. qr. Produce. Per ton. Total. Share of balance.

1 15 2 74 83 15 6 £ 6 13 14 15 18 46.

2 16 11 2 54 2 11 2 42 7 44 88,6 64.

3 6 7 2 84 4 8 5 22 2 4 55,7 64.

4 5 11 2 74 3 19 6 2 2 1 3 48,5 6 6.

5 9 3 1 64 3 3 19 6 2 2 1 3 48,5 6 6.

The necessity for the surplus arises from the fact of the produce of the mixed parcel (as calculated from the produces given for the several parcels) being really not exactly 64. These slight differences will always arise in practice; but even here, where there are five parcels of very varying produce, the difference amounts to less than 256. In 11. Thave given the figures roughly (though they will probably suffice for practical men) because, not knowing where the inaccuracy in the figures of 8 B. S. 'may be, my calculations may be based upon false data.—AVERAGE STATELL. [Tables are in course of preparation, and will shortly be published, for enabling such calculations to be made almost at a glance.]

WEST DRAKE WALLS—"Another Shareholder."—A report from this mine appeared in last week's Journal.

SOUTH AFRICAN SILVER AND COPPER MINING COMPANY (Limited).—As soon as the prospectus is ready for publication it will appear in the Journal.

MINE SURVEYING—"Mine Agent" (Liskeard).—If you have already Budge's Miners' Guide, and require another book, perhaps Mr. Haskeli's edition of Simms's Practical Tunnelling would sait you. It is published at it its by Lockwood and Co., Stationers' Hall-court, and explains in detail the setting out of the works, shaft sliking, and heading driving, ranging the lines, and levelling underground, &c. The opinion "Mine Agent" expresses of Budge is not general, but perhaps "Mine Agent" has not studied it. Many of the best diallers owe their position to the lustruction it gave them.

"SUBSCRIBER."-We telleve so, fully.

CHIVERTON VALLEY.—Will any correspondent give some information respecting the position and prospects of this mine?—A SHAREHOLDER.

SITUATION WANTED.—"K. S.," who advertised in the Journal of Aug. 19, can send to our office for letters, as communications forwarded by us to the address given at Coatbridge having been returned through the Dead Letter Office, marked "not to be found."

Received, - "T. W." - "H. J. B." - " Enquirer " - " Nemo " - " Shareholder (Leith) - "J. P." (Blagdon).

#### THE MINING JOURNAL, Bailway and Commercial Gazette.

LONDON, SEPTEMBER 23, 1871.

#### RAILWAY AMALGAMATION.

The question propounded by Sir EDWARD WATKIN at the recent meeting of the Manchester, Sheffield, and Lincolnshire Railway is one of the most vital importance to all classes of the community, and no wonder it is creating considerable interest amongst railway shareholders, the commercial community, and the public generally. Sir E. WATKIN broadly proposes that the whole of the railway companies should be amalgamated, and that the whole railway business of the kingdom should be conducted as one gigantic concern, by one responsible board of management. The question is not altogether new, for when Government purchased the telegraphs there was a general impression throughout commercial gives that it was but the general impression throughout commercial circles that it was but the prelude to their purchase of the railways, with the view to their amalgamation and more efficient working by the State. Sir E. WATKIN, gamation and more efficient working by the State. Sir E. WATKIN, however, is evidently adverse to the railways being placed in the hands and under the general control of the Government, for he stated that the object of the proposed amalgamation was to endeavour to find a remedy which would preclude the necessity for Government interference. The fact that a general amalgamation has been recommended by a gentleman of such vast experience, and of such undoubted knowledge upon railway matters as Sir E. WATKIN, leads to the inference that he is not satisfied with matters as at present matter and he matter the remember of the present matter and the present matters as the present matter as a state of the present matters. naged, and bears out the remarks which we made a week or two since that our iron highways might under more direct and more central ma

nagement be far more utilised for the general good.

The amalgamation scheme, as revived by Sir EDWARD WATKIN, has many features which commend it to favourable consideration; but a question of such all-important gravity demands the most d. liberate and serious study and consultation. By a general amalgama-tion, the expenses of management might be materially reduced, re-turn tickets to the public could be granted all over the country, and many other matters of detail would, no doubt, be effected, which would enhance the comfort and convenience of passengers. But as representing the great mining and commercial interests of the kingdom, we have considerable hesitation in giving the scheme unqualified countenance and support. Looking at the history of railway management in this country, we find that there have been far greater efforts made for the convenience of passengers than the development of commerce or the opening up of vast mines of mineral wealth; the commercial interests—the large staple manufactures—have been pushed aside, so far as their trade wants and requirements are concerned, in favour of smaller schemes for passenger traffic. Should the scheme of Sir E. WATKIN be carried into effect, what guarantee will be given that any improvement will take place in this respect? The very essence of the amalgamation scheme is that all competition The very essence of the amaignment on scheme is that all competition will thereby be avoided; but are there not most palpable benefits arising in the carriage of minerals and goods by having "two strings to the bow"—two lines communicating with the great centres of manufacturing industry and the ports of embarkation? Of course mation would effect, Parliament could apply the same principle as that which now governs waterworks, gasworks, and other works of such character—that is, that when a profit of (say) 10 per cent, has been made, then the public shall participate in the advantages in lower fares and rates. But here, again, past experience shows that where such a happy state of things does exist the directors are very chary in giving the public the advantage of good trade, preferring to expend the surplus upon works of questionable utility or ornamentation.

Following close upon the suggestion of Sir EDWARD WATKIN, we find that the London and North-Western Company and the Lancashire and Yorkshire Company have not only settled their differences but have virtually amalgamated, and effected a junction, and made what has been termed a "common purse." The capital of the Lon-don and North-Western is over 55,000,000% sterling, and that of the Lancashire and Yorkshire nearly 25,000,0007, and the aggregate mileage of the two companies something about 2000, whilst both companies combined transact about a fifth part of the entire railway business of the country. Should the terms agreed upon by the dibusiness of the country. Should the terms agreed upon by the directors of the two companies be ratified by their respective shareholders, and there appears every prospect that such will be the case, there will be one all-powerful company, with a capital of nearly 100,000,000l, and a gross revenue of about 10,000,000l, per annum. Such a company must have a great influence upon the railway businesse, either for good or evil, and we can scarcely fail to perceive in the arrangements which have been effected the commencement of a

movement which shall have for its object a great single centre of management for our present complicated railway system, and that the management shall be vested in the State. What the great mining and commercial industries of this kingdom

What the great mining and commercial industries of this kingdom now require, and what they should not rest satisfied until they have obtained, is two or three trunk lines running through the heart of the kingdom, devoted exclusively to the requirements of the coal, iron, and other staple trades of the kingdom. We believe the time is not far distant when railway directors will see it to their own interest to adopt some such plan. Accidents would be avoided, and traffic, both passenger and mineral, be vastly expedited. Possibly, if the scheme of Sir E. WATKIN be carried out, some of the competing lines of the kingdom could be devoted exclusively to the purposes of commerce, thus affording considerable relief to the passenger traffic. commerce, thus affording considerable relief to the passenger traffic. One thing, we believe, is most obvious to all who will give the sub-ject a little serious consideration, and that is that our railways as at

present managed are not giving either the passengers or the commercial interests those benefits which they have a right to expect. It is high time that some change should be made in more directions than one. The fares, both for passengers, for goods, and for minerals require substantial reduction, and we firmly believe if such reduction than the production of the company and trade and company would expend and benefits be conwere made trade and commerce would expand, and benefits be con ferred in other directions.

Whether the amalgamation, as propounded by Sir EDW. WATKIN, be carried or not, nobody can fail to see that our whole railway system must shortly engage the serious attention of Government, with a view to remedy the many evils resulting from the various lines being in the hands of so many private companies, who are almost regardless of public convenience or public requirements when their own private interests are concerned. In the remarks we have made our own private interests are concerned. In the remarks we have made our object has been not so much to depreciate the amalgamation scheme as to express the hope that whatever the future history of our railways—into whatever hands the management shall fall—greater care shall be taken for the safety of passengers on the one hand, and more zeal displayed on the other hand to promote and develope the staple trades of the kingdom. The amalgamation scheme has many ardent supporters amongst the directors and shareholders, and also a large class of the public, who probably see that it points to the no distant date when Government shall adopt the same policy with respect to our railways as they have already done with the telegraphs, and if equal benefits result therefrom no class of the public will have cause to regret.

#### MACHINE PUDDLING.

Is the finished iron trade just within reach of that of which they have been so long in quest? It really seems like it; and yet the news appears too good to be true. The problem will, however, soon have its solution. We shall then know if in the United States there is at work a rotary puddling-furnace which, although not very different from that with which Mr. Menelaus has been experimenting, see here distinguished itself with the important difference of having yet has distinguished itself with the important difference of having been a success, whilst the British machine cannot be so regarded. It will be some consolation for men who have nationality jealousies, that if all that is claimed for Mr. DANKS'S machine should prove that if all that is claimed for Mr. DANKS's machine should prove true, then that Mr. DANKS—if we are not misinformed—is not an American, but an Englishman. Our information is that Mr. DANKS is a native of the Black Country, and that in early life he was actively engaged in iron manufacture about Dudley and West Bromwich. But whether this be so or not—and we mention it only that a yet closer interest may thereby be invoked in what he has done—Mr. DANKS has deported himself in reference to his invention in the frankest possible manner. The paper that he contributed to the recent meeting of the Iron and Steel Institute, and the explanation with which he accompanied it all of which was reported in the Supwith which he accompanied it, all of which was reported in the Supplement to the Journal of Sept. 2, will go far to make the meeting in Dudley more memorable in the history of the iron trade than that meeting in Cheltenham, at which Mr. BESSEMER read to the British meeting in Cheltenham, at which Mr. BESSEMER rend to the Dribsh Association his famous paper, will prove to the steel trade. It was impossible to resist the conviction that Mr. DANKS had been most straightforward. The report that we supplied at the time will have conveyed that impression to every reader. Much deeper will that impression have been made upon the minds of those who listened to Mr. DANKS. Side by side with that of which most of us have knowlessed as the corresponding to the control of the property of the pro ledge, in reference to some inventions of American origin, and in respect of some American inventors, this is most encouraging at the present stage of the enquiry. To the uncertainty which too often overhangs the English mind on such matters, and to the good reason there often is for it, Mr. MENELAUS bore testimony before Mr. DANKS got up, when he remarked that without at all disputing that Mr. DANKS had accomplished all to which he laid claim, he could not DANKS had accomprished all to which he laid claim, he could not forget that some time ago an American inventor was at the Dowlais Works for about a year, receiving all the help that the firm could afford him, yet he was unable to make anything else than a miserable failure of that which it had been said was a splendid success in America. Whilst such experiences reasonably make the British ironmaster cautious, they do not prevent him from looking with hope, amounting almost to confidence, to the result of the enquiries that his is also the invest himself to institute into the merits of the new claimant.

he is about himself to institute into the merits of the new claimant for his favour.

Mr. Danks has not brought his invention under the notice of the iron trade of Great Britain before it has been well tested in the States. His paper furnishes particulars enough of the extent to which his machine has supplanted the old hand-puddling furnaces. But independent testimony comes direct from the States to conspicuous members of the industry here. Mr. WALTER WILLIAMS, the hon. s.c. of the Ironmasters' Association of South Staffordshire, has a considerable experience of the finished iron trade, not only from a life-long able experience of the finished iron trade, not only from a life-long practical acquaintance with it at home, but from careful observation of what is being done as well throughout the States as in those portions of the continent of Europe that are open to the inspection and the visits of the English ironmaster. He has been seeking to solve the machine-puddling problem. About to examine and pronounce upon the drawings of such an apparatus that had been submitted to him, he has been arrested by a message from the New World, of which the following is the pith:—"Withhold your judgment on the mechanical puddler; DANKS, a man in Cincinnati, has got a complete success." Better than this, Mr. HEWITT, one of the most accomplished members of the American iron trade, bears testimony in its favour. He, too, declares it a success, and enforces the testimony. tis favour. He, too, declares it a success, and enforces the testimony by adopting the machine in the place of the old furnace at an establishment in which he is pecuniarily interested. Hardly any room is, therefore, left for doubt that there is full truth in the asseveration of Mr. DANKS himself, to the effect that the machine is "as truly a success as that the members of the Iron and Steel Institute

Assuming, then, that in America they have taken the one step that in England we have halted at, the enquiry arises—can that one step be taken here? That one step is an enduring lining. As to DANKS'S machine, and the machine which is the invention of Mr. B. P. WAL-KER, of Wolverhampton, with which, as the purchaser of the patent KER, of Wolverhampton, with which, as the purchaser of the patent rights, Mr. Menelaus has been experimenting, we agree in great part with Mr. E. Williams. That gentleman remarked that looking at Mr. Danks's machine with the eye of a practical man, he did not see anything in which it was likely to differ from what could be effected with the Dowlais machine, with Mr. Menelaus at the end of it. But Mr. Williams could not see the initial lining, to which Mr. Danks's success is almost entirely owing, and at which, he assets a few it has been cope applied you may "first till decomptant." arr. DANKS success is amost entrely owing, and at which, he asserts, after it has been once applied, you may "fire till doomsday without destroying it." It was the want of such a lining that defeated Mr. Menelaus. Mr. Danks finds in America a certain native mountain cre. Its value consists in this—that it contains a very small per cept. of cilica. Any ore, Mr. Danks affirms, that contains no more than 5 per cent. of that ingredient will effect the purpose. Whilst it is for our own iron trade, we take it, and not for Mr. Danks, to find such a metrical still that gentleman points out that he has to find such a material, still that gentleman points out that he has seen in this country a Norwegian iron ore that contains even a smal-ler percentage of silica than 5 per cent., which seemed to him to be

suitable for the purpose.

Upon being told that tap cinder contained only 2 per cent. of silica,
Mr. DANKS expressed his belief that that would accomplish the purpose. He may be right with reference to the Norwegian ore, but we

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think he spoke without sufficient information when he testified in think he spoke without suncient information when he testified in favour of tap cinder. Our own experience of the bulk of tap cinder is that it contains a larger proportion of silica than is here indicated; and, next, we know that before WALKER'S machine passed into the hands of Mr. MENELAUS tap cinder was tried for a lining and falled. hands of Mr. MENELAUS tap cinder was tried for a lining and falled. But tap cinder and Norwegian ore, and any other material that suggests itself to them, the deputation of the Puddling Committee of the Iron and Steel Institute may take to America, and with it any and every kind of pig-iron used in this country, and there, as we understand, with Mr. DANKS himself to assist them, put lining ingredients and raw material to such a practical test as will enable them fully to report upon the merits or demerits of the machine in its application to the finished iron manufacture of the United Kingdom. It is hardly needful to say that the trade has confidence that the Committee will make their experiments in every way thoroughly, so that mathematical test and the committee will make their experiments in every way thoroughly, so that mathematical confidence that the Committee will make their experiments in every way thoroughly, so that mathematical confidence that the confidence that the confidence that the committee will make their experiments in every way thoroughly, so that mathematical confidence that the confidence that the confidence that the committee will make their experiments in every way thoroughly, so that mathematical confidence that the committee will make their experiments in every way thoroughly. hardly needful to say that the trace has conneance that the Committee will make their experiments in every way thoroughly, so that nothing shall remain to be decided by experiments on this side, inassuch at to conduct thorough experiments in this country would involve a pe-cuniary outlay of no inconsiderable extent. In the interest of the great national industry affected, we look for further information from the Committee with much expectation.

the Committee with much expectation.

Since the above was written the following has been made known:

—The Puddling Committee met last week, and decided to send out a commission of three gentlemen. Mr. G. J. SMELUS, of Dowlais, and Mr. J. A. Jones, of Middlesborough, were requested to form two of the Commissioners, and the selection of a third gentleman was left to the South Staffordshire ironmasters. The Commissioners will take with them 10 tons each of Welsh, Cleveland, South Staffordshire, and Derbyshire pig-iron, together with fettling available in this country. They are expected to sail in about 10 days, and will be accompanied by Mr. DANKS himself. They will receive their instructions previous to starting, as the Puddling Committee have arranged to meet them at Liverpool the day before they sail. In case the Commissioners should send a favourable preliminary report, it is quite probable that arrangements will be made for putting up anexperimental furnace and appliances in England for the purpose of thoroughly testing the plan. A number of firms have already expressed their willingness to find the needful funds, Mr. DANKS making arrangements for allowing the cost off royalties that may accome. Since the above was written the following has been made known ng arrangements for allowing the cost off royalties that may accrue in England.

#### MOTIVE-POWER WITHOUT COST.

Reference has already been made, in the Supplement to the Mixing Journal of July 22, to the advantages to be anticipated from the in-troduction of the Flux-Motor, invented by Mr. F. Tommasi, wherever the rise and fall of the tide was sufficient to admit of its economic application, and it appears that the only serious objection raised against the employment of the motors for industrial purposes has application, and it appears that the only serious objection raised against the employment of the motors for industrial purposes has been that there are very few places in which they could be used, for it is acknowledged to be undesirable to make the use of specially constructed engines compulsory. Feeling that this objection was a reasonable one, Mr. Tommasi has devised a means of removing it by securing to his motors a tension double that which would have been communicated to them by the height of the column of sea water available. To accomplish this he arranges during the flow tide to cause successively and alternately at each stroke of the piston of the working machine a portion of the compressed air from the reservoir to penetrate the tubes of the lower receivers of these apparatus, alworking inhering a portion of the compressed air from the reservoir to penetrate the tubes of the lower receivers of these apparatus, allowing the tubes of the upper receivers to communicate with theat mosphere. And, secondly, he puts successively and alternately at each stroke of the piston of the motive engine the tubes of the upper receivers, in communication with the discharge pipe of the cylinder of the working machine, allowing the tubes of the lower receivers to communicate with the atmosphere. communicate with the atmosphere.

The result of the first arrangement is to force the water contained in the apparatus to rice in the upper receivers to a height proportioned to its tension, and the second arrangement, whilst forcing the column to its tension, and the second arrangement, whilst forcing the column of water to rarefy proportionately to its height the air which in the cylinder of the working machine naturally redoubles the power which exercises a pressure on the other side of the piston. During theeb tide he puts successively and alternately at each stroke of the piston of the working machine the tubes of the upper receivers in communication with the rarefied air from the reservoir, allowing the tubes of the lawer receivers to communicate with the atmosphere. This of the lower receivers to communicate with the atmosphere rarefied air forces the water to rise in the upper receivers to a height proportioned to its rarefaction. Secondly, he puts successively and alternately at each stroke of the piston of the working machine the tubes of the lower receivers in communication with the entrancepipe of the cylinder of the working machine, allowing the tubes of the upper receivers to communicate with the atmosphere. This arrangeupper receivers to communicate with the atmosphere. This arrangement, whilst forcing the column of water to compress in proportion to its height the air which in the cylinder of the motive machine must propel the piston, naturally redoubles the effect produced on the other side of the piston. The apparatus employed for carrying out these arrangements is very simple, and composed of few parts liable to get out of order. As the object of the improvements is to secure the same amount of advantage as is now obtainable with a tide of twice the rise and fall, its importance will be readily appreciated, and even increased interest will be felt in the results to be obtained with the apparatus, on full working scale, which it is understood the inventor is at present constructing on the coast of Essex. These results we shall publish as soon as the machinery is at work.

#### RAILWAY IRON IN BRITISH AMERICA.

The great demand for railway iron which has been provoked by the revival of railway enterprise in British America still continue apparently unchecked. This will be seen by an examination of the exports of railway iron from the United Kingdom month by month

this year in the direction indicated: 

Railway of Canada, the Canada Southern, the Wellington, Grey, and Bruce, the Toronto, Grey, and Bruce, the Toronto, Simcoe, and Muskoka Junction, the North Grey, the Canada Cantral Southern, the Wellington, Simcoe, and Muskoka Junction, the North Grey Canada Cantral Southern State Canada the Canada Central, &c. Of these lines the most important is beyondal doubt the Intercolonial Railway, and although this line has reached at present only as important of the colonial Railway. at present only an imperfect stage of development, it has made sufficient progress to justify the anticipation that it will be distinguished by a high degree of stability and excellence. The rails are of the best English steel, weighing 64 lbs. to the yard, and they are suited to resist the heaviest traffic, and to admit of the highest speed. If the bridges, with three exceptions, will be constructed of iron; the three were too far advanced before the arguments of Mr. FLEMING, the chief engineer, prevailed: but there will be no difficulty in the chief engineer, prevailed; but there will be no difficulty in replacing the wooden bridges at Rivière du Loup and two olds smaller ones with iron, as the piers throughout are of solid masonf. A great quantity of steel rails and rolling stock have been accumalated for the Intercolonial system, which will be in working order by the close of 1872 or the commencement of 1873. The line will be steel-railed throughout, and this policy on the part of the Commissioners who have been entrusted with the creat work marks as missioners who have been entrusted with the great work marks at epoch in the railway history of Canada. Hitherto Canadian railway enterprise has been crippled by the enormous cost of renewals and maintenance, but the Intercolonial Railway Commissioners have profited by experience, and have resolved to not side of this difficult profited by experience, and have resolved to get rid of this difficulty altogether by laying steel rails at the outset. The example will, so doubt, be followed with all practicable speed by the other chief are

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midan rallways—certainly by the Grand Trunk and the Great West-of Canada. The Grand Trunk once steel-railed, and the cost of sidian rallways—certainly by the Grand Trunk and the Great Westen of Canada. The Grand Trunk once steel railed, and the cost of maintenance once brought down to a reasonable level, the position of its long-suffering share and bond holders will be greatly changed, and they will enjoy at last a fair return upon their capital. If this gult could be attained, we believe it would prove highly beneficial to Canada generally, as every disappointed Grand Trunk investor is naturally become a severe critic of everything Canadian. With a improvement in Canadian railway credit there would be an impovement in Canadian affairs generally, and although anything like precipitation in railway construction is to be deprecated, as well in canada as in other parts of the world, the regeneration of the Grand presipitation in the parts of the world, the regeneration of the Grand Casada as in other parts of the world, the regeneration of the Grand Trunk would, doubtless, give a still further impetus to Canadian rail-may enterprise. The reduction in the cost of steel rails and the se-Irunk would, accountess, give a still turner impetus to Canadian railway enterprise. The reduction in the cost of steel rails and the severity of the Canadian winters render certain a large Canadian demand for the new essential element in thoroughly sound permanent way. Further, we may expect that the Canadian demand for railway iron—a phrase which must, of course, be taken to include steel rails—will be augmented from the fact that Canada is only now becoming a great power in the world. So long as the mother country cared little about her colonies, but was engrossed with her great struggle against NAPOLEON BONAPARTE, so long as Canada was dismited and torn by intestine convulsions, so long as Canada was dismited and torn by intestine convulsions, so long as Canada resources to account. But all this is changed. The Canada of toway is being riddled with railways, whilst she is mapping out more; she has united her scattered provinces, and with the strong arms and stout hearts which she is now seeking on this side of the Atlantic, the bids fair to expand into one of the first nations of the earth.

#### ANOTHER EXPLOSION AT THE MOSS PITS, WIGAN.

ANOTHER EXPENSION AT THE MOSS THE ANOTHER EXPENSION AT THE MOSS THE ANOTHER EXPENSION AT THE MOSS THE ANOTHER EXPENSION AND THE MOSS THE M It is a Frenchman who pithily remarks, "The four elements of the the one accident, and 37 widows and 84 orphans were the oly result.

melancholy result.
Unhappily, the explosion at the Moss Pits, on the 6th inst., has been followed by a further disaster. In the midst of our sorrow, however, there is cause for melancholy satisfaction. The explosion at the Oaks, on Wednesday, Dec. 12, 1866, not only lost us very many excellent miners; it led to the death on the following day, by a second explosion, of that noble band of men whose names shall be again memorialised in these columns thus conspicuously:—Mr. Parkin Jeffcock, mining engineer; Mr. Smith, the underground manager of another colliery; Mr. David Stewart, the underground steward of the Oaks Colliery; William Sugden and Christopher Siddons, deputy viewers; and Thomas Nadin and William Stephenson, firemen.

steward of the Oaks Colliery; William Sugden and Christopher Siddons, deputy viewers; and Thomas Nadin and William Stephenson, firemen.

Last Wednesday a second explosion at the Moss Pits had nearly caused the sacrifice of the lives of—Mr. George Gilroy, of Ince Hall Collieries; Mr. Wm. Bryham and Mr. John Bryham, Rose Bridge; Mr. Peter Higson, Government Inspector; Messrs. John and Jacob Higson, mining engineers; Mr. Elias Dorning, Mr. Alfred Hewlett, Wigan Coal and Iron Company; Mr. Thomas Knowles, Mr. J. E. Pesrson, Mr. William Pickard, miners' agent; Mr. W. J. L. Watkin, Pemberton Collieries; Mr. Israel Knowles, the underlookers, and the underground manager, with others. These gentlemen had all dolibrated upon the desirability or otherwise of re-opening the shafts, which, it will be remembered from what has before appeared in the Journal, were scaled down upon its becoming known that the coal had fired after the disaster exactly stornight before. After a long consideration of the course to be adopted, it was the unanimous decision of these gentlemen to proceed with the opening of the shafts, as the state of the temperature was a sufficient indication that the fire had been exitinguished. The thermometer indicated a general heat of about 29 during the whole of the week, but opposite the mouthing of the 9-fr. soam, in which the explosion occurred, there appeared to have been a gradual decrease. The resolution of the engineers was not made public, as it was certain battract a vast crowd to the pit, but the work of uncovering both shafts was proceeded with. At about 4 o'clock a workman, named Shuttleworth, and subequently one Ashurst, a foreman joiner, were lowered in the downcast shaft to the platform which had formed the covering of the shaft, and from which a very considerable quantity of the pundled clay used for scaling it bad been re-loved. That he might run no risk of falling into the pit a rope had been fascend round his body, and he was also supplied with ropes to attact to the plants, for the purpose

see of the shafts, was so disabled that he could not remain on duty, and had to be conveyed to the police station.

Set was the violence of the explosion that it was heard several miles away, so the sheet of flame was seen distinctly at several places within the borough. Such was the violence of the explosion that it was heard several miles away, and the sheet of flame was seen distinctly at several places within the borough. It is the could not have been less han 20 yards higher than the head-gearing of the pit, and that it seemed to shoot out of an immense cloud of dense smoke. The strong woodwork of the laidom was broken like matchwood: the hoppett, which had been suspended a be shaft, was thrown up and lodged amongst some of the timbers of the head-far; pieces of wood were blown 30 or 40 yards away, and much injury was kee at the mouths of both pits. Ashurst remains were frightfully mangked, and long after the explosion a lamp, beto's remains were frightfully mangked, and long after the explosion a lamp, beto's remains were frightfully mangked, ind long after the explosion a lamp, beto's remains were frightfully mangked, ind long after the explosion a lamp, beto's remains were frightfully mangked, ind long after the explosion a lamp, beto's remains were frightfully mangked, ind long after the explosion a lamp, beto's remains were frightfully mangked, ind long after the explosion a lamp, beto's remains were frightfully mangked, ind long after the explosion a lamp, beto's remains were frightfully mangked, in lamp and the will be seen seen of the third that some have fallen down the shaft. Ashurst, a married manish five different has been blown to pieces. The foreman sinker, Farrimond, sale among the dead; and the browman, walsh, who has two sons lying in besean, betrieved, and the browman, walsh, who has two sons lying in besean, betrieved, and the browman, walsh, who has two sons lying in besean betrieved. It is feared this number may be doubled.

The diamster on Wedecaday has set at rest all question as to

contrast to that which was held in the morning, and which was attended by the same gentlemen." It was the unanimous opinion that it would be a wanton risk of life to make any attempt to replace the stoppings, and only one other way of extinguishing the fire could be suggested, that was to flood the colliery. Three sources of water supply were at hand—the Leeds and Liverpool Canal, a large brook, and a pumping-pit, which immediately adjoins the colliery where the disaster took place. It was decided to make an attempt to drown out the fire without delay. The leading of pipes was commenced, and men were engaged in placing them in position as the day closed.

A similar course is now, therefore, being pursued in this case as in that of the Low Hall explosion. That accident happened on Nov. 15, 1869, and twenty-eight persons were killed. In order to extinguish the fire the mine was inundated. This was casily accomplished by means of the Liverpool Waterworks, the pipes of which were within a few yards of the pit. The mine took a long time to unwater, and when an entry could be made it was found to have caused numerons and extensive falls of roof. Similar issues may be expected in this case; and as in that case so also in this the engineers we imagine have to find it necessary to wall off the fire. Anyhow we are certain that what can be done will be done; and we earneatly hope that the disaster of Wednesday will give an impetus to the public charity for which an appeal is now being made by the committee formed to administer relief to the sufferers by colliery accidents in South-West Lancashire, who have been doing good service ever since the Hindley Green explosion.

By the latest accounts we learn that a fierce fire is burning in the pit; smoke and flames followed the explosion during the early part of Thursday, which destroyed the bead-gear and set fire to the engine-house, whilst all around the mouth of the pit burning wood work was scattered, vomited from the apeast shaft. Great distress and consternation prevail i

#### COLLIERY EXPLOSIONS.

The first report, just issued, of a committee formed about three years ago in South-West Lancashire for the purpose of administering relief to sufferers by colliery accidents gives some details as to the aggregate loss of life by reason of the nine great explosions which have occurred since November, 1868, and as to the number of orphans and widows who are or have been dependent on the fund for support. The committee was originally formed to meet the immediate necessities of the sufferers by the Hindley-green explosion in 1868, by which 62 lives were lost, and it was at first intended only to apply to that disaster. Other explosions, however, followed in rapid succession, and each was included in the operation of the fund until at length the names of 18 widows and 349 fatherless children have been placed upon the books of the committee.

The following table, published in the report, gives the names of the collieries where the accidents happened, the date of each disaster, and the number of widows and children whose husbands and fathers lost their lives:—

Place.

Date.

Date: Deaths. Widows.\* Children.\*

Place.	Date.	Deaths	. W	idow	. * Ch	ildren
Hindley-green	Nov. 26, 1868	. 62		22		55
Norley	Dec. 21, 1868	. 7		7		26
Haydock Haydock, 2d explosion	Dec. 30, 1868 July 21, 1869	. 26		41	••••	97
Rainford						
Park Lane	April 1, 1869	. 31		13		27
Low Hill	Nov. 15, 1869			13		27
Brynn Hall	Aug. 19, 1870					18
Moss Pits	Sept. 6, 1871	. 70	••••	37		84
	Samply Inc.		••••	148		349

\*Surviving sufferers.

Eight of the above were fire-damp explosions, and one was caused by an outburst from a ventilation furnace and falls down a pit shaft. Five of the explosions were in what is known as the Wigan Kine-feet Mine. The report also gives a table showing how the number of cases for relief from each accident has been gradually reduced in proportion to the number of sufferers, and the length of time since the accident. At the close of last month the recipients of relief numbered—widows, 80; children, 179; but the explosion on the 6th inst. has brought up the number of widows to 117, and of children to 263. The total amount of subscriptions received and promised is 8500L, of which 5800L has been spent, leaving a balance of 2700L. Funds in Bolton and Liverpool amounting to upwards of 2000L, make a total of nearly 5000L believed to be available. It is estimated, however, that 1600L will be required to meet the claims upon the committee by the persons already on the books, and 11,000L, therefore, remains to be raised.

The report thus concludes:—

remains to be raised.

The report thus concludes:—
"Your committee beg to thank the public of South Lancashire, to whom they are principally indebted for the funds at their disposal, and also all other persons who have subscribed, for the money which has been raised. The late distressing accident at the Moss Pits will, it is believed, again awaken kindly sympathy. The men were cut off while at work in the very prime of life, and they have left 37 widows and 84 children, who, suddenly bereft of support, require speedy and generous aid. The committee appeal for subscriptions to meet this new emergency, and to continue the necessary relief to the widows and children of those who perished at the previous accidents."

THE EXPORT COAL TRADE.—The quantity of coal exported from the United Kingdom in August amounted to 1,267,950 tons, as compared with 1,151,201 tons in August, 1870, and 1,095,839 tons in August, 1869. In these totals the exports to France figured for 183,040 tons, 229,811 tons, and 166,344 tons respectively. The increase in the exports of our coal to Germany in August was very large, the total shipments in that direction having been 259,761 tons, against 19,991 tons in August, 1870, when the German ports were blockaded, to some extent, by a French fleet. The aggregate exports of coal from the United Kingdom to August 31 this year were 8,104,818 tons, against 7,851,174 tons, and 7,017,062 tons respectively. In these totals the exports to Germany figured for 1,603,007 tons, against 1,006,805 tons, and 1,131,778 tons respectively; and those to France for 1,225,149 tons, 1,642,608 tons, and 1,343,584 tons respectively. Our coal exports have increased this year to Russia, Sweden, Germany, Holland, Italy, Brazil, and British India; but they have decreased to Denmark, France, and Spain. The value of the coal exported from the United Kingdom in August was 609,3361, as compared with 564,9361, in August, 1870, and 529,6381, in Augu THE EXPORT COAL TRADE.—The quantity of coal exported from as compared with 564,936l, in August, 1870, and 529,658l, in August, 1869; and for the eight months ending Aug. 31 this year 3,881,111l, against 3,750,344l, and 3,365,794l, respectively.

THE LATE GUN-COTTON EXPLOSION.—An announcement has been made by Major HEIGHAM, chief constable of Suffolk, that as the jury appointed to enquire into the circumstances attending the deaths of the victims of the late explesion at the works of the Patent Safety Gun-Cotton Company (Limited) had returned a verdict to the effect that the explosion was the result of some person or persons unknown having added sulphuric acid to the cotton pulp after it had passed all the tests required by the Government, a reward of 100% would be paid to any person who should give such information as should lead to the discovery and conviction of the perpetrator or perpetrators of to the discovery and conviction of the perpetrator or perpetrators of the outrage. A free pardon is also promised to any accomplice not being the actual offender who may give such information as shall lead to justice being done in the matter.

LETTERS PATENT .- The House of Commons Select Committee appointed to enquire into the law and practice and the effect of grants of Letters Patent for inventions left their work unfinished. They reported to the House the evidence they have taken, and this has now reported to the House the evidence they have taken, and this has now been published. The Committee, in a very brief report, recommend their re-appointment next session to continue the enquiry. Mr. Dillwyn proposed to add:—"So far as the enquiry has proceeded, the Committee are convinced, from the evidence already given, that a general feeling of dissatisfaction exists with the administration of the Act of 1852, especially with regard to the conflicting applications for patents, respecting which, during the six months of provisional protection, no information can be obtained. The Committee desire also to draw attention to the various memorials alluded to in the answers to questions 670 to 681, relative to the appointment of additional persons as Commissioners, in accordance with the first section of the Patent Law Amendment Act, 1852, and to other matters. In making this report the Committee do not desire in any way to prejudice the question of the general policy of the continuance of a patent law, or to express an opinion as to any alterations or amend-ments to it which may be required." This motion, however, was withdrawn; and on the motion of Mr. Hinde Palmer, and by a vote of five against four, the Committee stated, as part of their report—
"Without prejudging any question referred to them, that in the meantime it is highly desirable that the powers and provisions of the Patent Law Amendment Act, 1852, should be fully carried into effect."

Prof. Warington Smyth, F.R.S., has accepted the Presidentship of the Royal Geological Society of Cornwall, on its vacation next November by the present respected President, Mr. H. S. Tremenheere, C.B.

MINING GLOSSARY .- The third edition of the Glossary of Mining and Smelting Terms has now been printed, and contains carefully-compiled lists of the technical terms used in the mines of Cornwall, Derbyshire, South Staffordshire, Newcastle, and Spain; and of the smelting terms used in France and Germany. The book, which will be found extremely valuable to those interested in mines desiring thoroughly to comprehend the agents' reports, will be forwarded from

the Mining Journal office, 26, Fleet-street, E.C., on receipt of 2s., or may be obtained, by order, through any bookseller or newsagent

#### TRADE OF THE TYNE AND WEAR.

Sept. 21.—The supply of vessels continues large in these rivers, and the exports of coal and iron are on a large scale. There never was a time, perhaps (at any rate, it has not occurred of late years) when such small stocks were held of those staple products; both, indeed, may without exaggeration be said to be nil. Increased facilities for shipping coals on the Tyne are now much required, and will shortly be provided. The Tyne Commissioners are providing a shipping place for large steamers on the north side of the river, which will relieve a little the pressure in the Northumberland Dock, and powers to construct a dock at Coble Dean, also on the north side of the river, will shortly be applied for: and this will, perhaps, suffice for the north to construct a dock at Coble Dean, also on the north side of the river, will shortly be applied for; and this will, perhaps, suffice for the north side of the river for some time to come. But on the south side increased facilities are also much required, and the construction of a new dock, or the enlargement of the Tyne Dock, must be undertaken soon. The Tyne Dock has become a very important import dock, as well as one for exports, and goods are now sent direct from these to all parts of the kingdom. A quantity of Baltic produce is imported, and some of it is sent by rail to Liverpool. Swedish stock, &c., is also sent to Sheffield and Birmingham. The completion of the south side river line, and the opening of the Team Valley line, both very near accomplishment, will materially increase the railway facilities, and give a great impetus to the trade of the district. The coal, engine, and iron trades of the district continue in a most prosperous condition, and all the men engaged are earning good wages. Some condition, and all the men engaged are earning good wages. Some partial strikes have occurred, but none of consequence, with the exception of the unhappy engineers. All classes of workmen have had, with few exceptions, their wages increased, and, on the whole, a good feeling continues to prevail.

The Wear collieries are all doing well, and at most of them where large bears had accumulated those stocks have entirely disappeared.

large heaps had accumulated those stocks have entirely disappeared, and this alone will ensure full work for the miners for many months to come. As an example of a modern colliery on a large scale, it is to come. As an example of a modern colliery on a large scale, it is hardly possible to point to a more successful one than that at Ryhope; here, although the depth of the seams is great, the first workable one being found at 300 fathoms, the quantity raised daily has now reached 3000 tons. This is raised from two shafts of large size, the winding power, of course, being enormous. This seam, which has turned out so favourably here, is the Maudlin seam of the Wear, or Bensham seam of the Tyne, but it is of great thickness at Ryhope, and other seams lie below, the Hutton seam only having been proved as yet.

as yet.
The Iron Trade continues extremely good, and the demand for ship-plates and iron of nearly all kinds unabated; the only branch of the iron trade which shows any weakness is the rail trade. The demand for rails is not quite so good as it has been, but as no stocks of any kind are held this is not of much consequence. The demand for coke continues extremely good, and makers have great difficulty in supplying the demands made upon them.

#### REPORT FROM SCOTLAND.

REPORT FROM SCOTLAND.

Sept. 20.—Our warrant market, which was dull at the date of my last report, gradually improved on the prospect of another heavy shipping return, and as high as 61s. 6d. cash and 61s. 10\frac{1}{2}d. one month were paid on Monday forenoon. These prices were not, however, maintained, although the shipments exceeded the most sanguine expectations, and the closing cash price was on Monday 61s. 3d., and on Tuesday 61s. To-day the tone was rather dull, and after business at 61s. 1\frac{1}{2}d. to 61s. one month, and 60s. 10\frac{1}{2}d. to 60s. 9d. cash, the market closed with sellers at the lower prices, buyers offering 1\frac{1}{2}d. per ton less. Shipping brands are quiet and steady, with little or no change to report in prices. The following are the quotations:—

				No.	1.	N	3. 3.
G. M. bra	nds at Glasgow (delive	erable alongs	ide)	61s.	6d	. 60	s. Od
Gartsherr	ie ditto	ditto		72	0	62	0
Coltness	ditto	ditto		72	0	63	0
Summerle	e ditto	ditto		69	0	62	0
Carabroe	ditto	ditto, ex	store.	63	0	-	
19	at Port Dundas	ditto		65	0	62	6
Langloan	ditto	ditto		65	6	62	6
Calder		ditto			0		0
Glengarne	ck at Ardrossan	ditto		66	6	62	0
	gton ditto	ditto		62	0	61	0
Eglington	ditto	ditto		62	6	61	6
Carron	at Grangemouth	ditto		59	0	-	
91	ditto (selected	) ditto		65	0	-	
Shotta	ditto	ditto		65	6	61	6
	at Boness	ditto			0	59	0
G.M. bran	ds at Middlesborough	ditto		85	0	80	0
Bar fron.			£8	5	0 to £8	10	0
Nail rods			8	10	0		
W 11		MENTS.			man.	01 4	
For the w	eek ending Sept. 16, 18					21,4	
	,, sept. 17, 18	70	*****		*****	10,6	01

ment is now afloat to have the system of working overtime abolished in this district, with the view of providing work for those on strike in the Newcastle district. There are also some minor matters in dispute which the trade wish now to have adjusted.

The continued heavy demand for Scotch coal, both for home use and shipment, while it has increased the price of labour is also proving remunerative to the coalmaster; and another advance in wages, as well as a further advance in the price of coal, is expected to take place on the 1st proximo. Indeed, coals are expected to be scarce and high this winter. During the week just ended the shipments of coal from all our ports exceed those of the corresponding week of last year by fully 20,000 tons, the returns for the week this year amounting to 48,029 tons, against 27,644 tons. Mr. Wilson, mineral borer, Armadale, who has been for some time past employed on the estate of Inch, near Bathgate, the property of Mr. J. Waddell, on Wednesday last came on another seam of the famous Houstoun coal. The seam is 4 ft. 6 in, thick, and as it is of excellent quality means for working it will speedily be adopted.

IRON ORE IN CAITHNESS.—At a recent bazaar in Thurso, some fine specimens of iron or were exhibited at the stall presided over by Lady Ship's husband, and has been pronounced by Prof. Anderson, of Glasgow, to contain first-class hematite iron. While certifying to the quality of the iron and to the large percentage the ore contained, Prof. Anderson of Glasgow, to contain first-class hematite iron. While certifying to the quality of the iron and to the large percentage the ore contained, Prof. Anderson of Glasgow, to contain first-class hematite iron. While certifying to the quality of the iron and to the large percentage the ore contained, Prof. Anderson of Glasgow, to contain first-class hematite iron. While certifying to the quality of the iron and to the large percentage the ore contained, Prof. Anderson of Glasgow, to contain first-class hematite iron. While certifying

the Corporation for the period of 20 years, in return for a certain rent in the shape of interest, and an obligation on the part of the company to maintain in good repair the portion of the streets which they occupy.

CLYDE SHIPWRIGHTS.—The Clyde Shipbuilding and Engineers' Association, at a meeting held in Glasgow yesterday, taking into consideration the continuance of the carpenters' strike in the Glasgow district, notwithstanding the advance of wages offered, while at Greenock and other places they are at work, and that such a condition of matters is likely to prolong the strike in the Glosgow district, was unanimously of opinion that a lock-out of all the carpenters on the Clydeshould take place in the event of a continuance of the strike.

THE SCOTCH LABOUR MARKET, AND STRIKES .- The plague of atrikes, like the Egyptian plagues, is overrunning the land, and is getting about as offensive to the whole community. The modern employees will not now content themselves unless they can borrow from their "hard taskmasters" their jewels of silver and their jewels of gold. Not that they have had to make their bricks without straw, the frugal amongst them have prospered surprisingly, but only

for the frugal amongst them have prospered surprisingly, but only they think it wise of them—

"To turn their grumbling heads away,
And quarrel with their feed of hay,
Because it is not clover."

Throughout Scotland there are strikes, or threatened strikes, amongst all classes of tradesmen. Shoemakers, weavers, scavengers, printers, railwaymen of various grades, moulders, engineers, shipwrights, miners, &c., are all making some move for increased pay; so that with regard to the temple of labour, "the posts are being moved, and the house is being filled with smoke," and there seems to be no immediate signs of deliverance from this confusion. The working men allege that they have not sufficient time to cultivate their mental faculties; but are employers of labour, or is labour itself, to bear the burden of training the working classes into semi-philosophers? The burden of training the working classes into semi-philosophers? The working men complain that they do not receive a sufficient share of the profits of labour, but are they to prescribe what that share is to be in the future, or abstain from working altogether? The labour temple is filled with smoke, and although men can only be seen through the haze, like trees walking, the men seem quite content to look at matters through the blinding mayer. Clear the temple of the look at matters through the blinding smoke. Clear the temple o smoke, and in the light parties interested will then see clearly. Clear the temple of the

#### REPORT FROM NORTH AND SOUTH STAFFORDSHIRE,

Sept. 21.—The North Staffordshire ironmasters have advanced Sept. 21.—The North Stanfordshife frommasters have advanced puddlers, wages is, per ton, and millmen's wages 10 per cent., with a proportionate advance in the price of finished iron. It was stated at the meeting that this advance is greatly in favour of the men, and to the disadvantage of the masters, the latter having on their books orders at former prices, which would take a considerable time ooks orders at former prices, which would take a considerable time o work off. The price of pig-iron is firmer, owing to the recent increase in miners' wages, and the consequent enhanced value of ironstone and sel. Contracts for pig-iron for forward delivery have been made at an advance t 5s, to 7s. 6d. per ton. Furnace red ironstone is selling at 11s. 6d. to 12s. 6d. er ton, loaded into boats or trucks, and at these figures the supply is unequal the demand. Chalky mine and clay-band stones range from 11s. 6d, to 13s. er ton. Coal and slack are in satisfactory request, at improved quotations. The Coal Trade of South Staffordshire is in very fairly sustained civility, and quotations have an unward tendency. In the Cannock

The Coal Trade of South Staffordshire is in very fairly sustained activity, and quotations have an upward tendency. In the Cannock Chase district mining operations are especially brisk, and the new mines being opened out will afford employment to a large number of additional men. "The Fair Oaks Colliery Company" (Limited) is the title of a new enterprise which has been launched, with the view of leasing from the Marquis of Angiesey, and developing, a large tract of mineral produce lying in the Cannock and Rugeley districts. In the neighbourhood of West Bromwich several partially-worked collieries, which have for some years been water-logged, are being opened out, extensive pumping apparatus being laid down with the view of effectually draining the workings. Ironstones in this district are in active request, and the supply of native ores is extremely limited. A meeting of coalmasters will be held shortly, to determine what course simil be adopted on the wages question, an advance being almost inevitable after the recent concessions in the fron trade, and the example set by coal and Iron masters of North Staffordshire. The South Staffordshire Iron Trade has been all the week in a very

The South Staffordshire Iron Trade has been all the week in a very unsettled state, owing to the uncertainty which prevails as to the course likely to be taken on the question of prices. The pig-iron makers have no lack of orders, and the only restriction to further business is the unwillingness of producers to book contracts for forward delivery at existing quotations. Several additional turnaces in this district will be put into blast during the ensuing quarter. The market for finished from has been considerably influenced by the advance declared in prices by the ironmasters in the northern part of the county. It is regarded as almost certain that an advance will be declared at the Proliminary Meeting, to be held in Birmingham, next Thurday. Many of the ironmasters, however, are of opinion that the prevailing agitation of the millimen is uncalled for, and injustified by the circumstances of the case. A leading ironmaster assures us that at the present rate of wages the millimen can carn it, per day, while the puddler, who employs count skill, works equal hours, and endures much greater fatigue, can only realise about half that sum, even with the concession recently made by the masters. In the event of iron being advanced in price, however, a proportionate rise in wages will be inevitable. The orders for finished iron, now in course of execution, comprise bars, hoops, strips, requires, small rounds, boiler plates, angles, nall rods, &c., and the mills and forges throughout the district are in full activity. It is, however, remarked that since the advance in price, declared three weeks ago, orders have not been coming in quite so freely as before, and it is feared by many that the declaration of a further rise will considerably check the prevailing propertity, by directing large orders to other centres of production.

There is no falling off in the demand for machine castings at the outh Staffordshire Iron Trade has been all the week in a very

check the prevailing prosperity, by directing large orders to other centres of production.

There is no falling off in the demand for machine castings at the Black Country iron-foundiles. Many of them are from the North of England Iron districts, but a fair number are en account of Russia and other foreign markets. Mesars, Perry and Son, Highfield Foundry, Bilston, have just completed for Russia a vertical engine, with two trams of rolls, and they are now constructing for the same market a vertical engine and forge tram, and a pair of horizontal engines, with a rail tram and reversing gear, the whole of the work being of a very strong, massive character. Considerable activity prevails at the engineering establishments at Wednesbury, the demand comprising all classes of fromwork connected with railway plant and rolling stock. The wrought nailers of the East Worcestershire district are agitating for a 10 per cent, advance in prices, and a meeting has been called for next Monday to consider the reply of the factors to their application, and finally to decide the course to be adopted. It is generally understood the factors will refuse the application for a 10 per cent, advance, but will offer to compromise the matter by granting 5 per cent. The men resolutely declare that unless they get the full advance asked they will layer off working.

#### REPORT FROM DERBYSHIRE AND YORKSHIRE.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

Sept. 21.—There is a good deal of activity at several of the ironworks in Derbyshire, more especially in foundry material. Amongst
the articles most in request are pipes for water, and gas tanks and
girders. In Derby the establishments have been doing very well for
some time, and the prospects of the trade continuing so are in every
way most encouraging. Close to the station the Midland and Yorkshire Coal and Wagon Company are building a large place for the
making of wagons, their own requirements being considerable, seeing that they
are now sending a very heavy tonnage of coal over the Midland, Great Western,
and London and North-Western Raliways, holding the appointment of agents
on those lines for the coals and coke of Messers. Newton, Chambers, and Co., of
Thornoliffe and Chapeltown. The works on the Erewash Valley line of railway
are doing a steady, and in some instances, a brisk trade. Mosars. James Oakes
and Co. are busy in pipes and other castinge, and have two furnaces in blast,
and a third nearly ready for blowing in. A rather large tonnage of Northamptonshire ore is being imported, and a reciprocal trade in ore and coal and coke
is being done.

eing done. Lead mining has undergone but little change of late, the yield being Lead mining has undergone out into the desired and an average character, but with better railway facilities, which there is some prospect of being provided, there is little doubt but a considerable increase would be assured. Many of the districts, such as Eyam, Castletown, &c., are entirely removed from railway intercourse. In the neighbourhood of Wirksworth, however, a good deal of lead has been obtained, Messrs. Wass and Co. being the principal persons engaged in the trade. In connection with the old Roman town of Wirksworth, for long ages trade. In connection with the old Roman town of Wirksworth, for long ages trade.

ecourse. In the neighbourhood of wirsworth, however, a good deal to lead has been obtained, Messrs. Wass and Co. being the principal persons engaged in the trade. In connection with the old Roman town of Wirksworth, for long ages the centre and capital of the Derbyshire lead district, it may be stated that the foundation stone of a new Town Hall was laid a few days since with full masonic orders by Capitaln Arkwright, M.P.

The trades of Sheffield are without much change, the heavy branches being still busy, and the lighter ones in a tolerably satisfactory state. Heavy plates are being largely produced, and there is still a brisk demand for railway material of every description, incinding rails, points, springs, wheels, and axless Bessemer steel in all forms has been in brisk request, and makers have had a long and busy season. In the Rotherham district the manulacturers are fairly off for orders, the foundries, as a rule, being very well employed.

The business doing in steam coal from the leading collieries in Bouth Yorkshire has been large, and a good deal is being sent to Grimsby for shipment to Russian ports, as it is not expected that more than another voyage to the higher Baltic ports will be made this season. To Hull, also, the trade has been very fair, whilst the tonnage sent to London has been considerably greater than usual for the period of the year. House coal is beginning to move more freely, and there is also a little more doing in engine fuel.

The South Yorkshire Miners' Association has taken up the question of an advance of wages, and in a manner more than usually agreeable. The men at the different collieries have sent a circular to their enployers asking for an advance to the extent of 5 per cent. They base their claims to the concession on the ground that some two or three years since, when trade was in a very depressed state, they submitted to a reduction of 5 per cent., and now that business is exceptionally good they asked to be paid at the former rate. A

meeting of the coalowners will be held in a few days, for the purpose of considering the application made by the men. There is, however, every reason to believe that there will be no interruption to trade, or to the kindly relation. g the application made by the men. that there will be no interruption t ent existing between masters and me

at present existing between masters and men.

BREACH OF THE MINES REGULATION ACT.—Joah Chambers, of Shepley, near Huddersdeld, executor of the late Mr. Henry Ellis, owner of the Kirkstyles Colliery, was summoned by Mr. Wardell, Inspector of Mines, befor the county maglarrates, at Huddersdeld, on the charges of neglecting to provide an adequate amount of ventilation in his colliery, and of employing a boy therein under 10 years of age. Robert Kliner, the understroud steward of the mine was also charged with having on June 28 neglected to inspect the mine before any person was allowed to enter it. Mr. Armitage, for the defendants, pleader guilty. Mr. North, of Wakefield, the prosecuting attorney, stated that or June 28 a collier named Rawnsley was allowed to go down the pit before it had been inspected by Kliner, and he died in consequence of the foul state of the nine, due to imperiect ventilation. Another man narrowly scaped the same fate. The next day the inspector, coming to the mine to enquire into the occurrence, found that there was employed in the pit a lad under nine years of age. The magistrates fined Kliner 20s. and costs, 11. 18s., and Chambers 20s. and costs, 11. 18s., in the second case.

#### REPORT FROM MONMOUTH AND SOUTH WALES.

Sept. 21.—The Iron Trade is not, in this district at least, attended with the activity usually witnessed at the close of a quarter. A few fresh orders have been booked during the past week; but as compared with the usual transactions, they must be pronounced as small and unimportant. The Quarterly Meetings of the ironmasters are looked forward to with considerable anxiety, as they will be called upon to decide two very important questions—what values shall be fixed upon the materials produced, and what rate of remuneration shall be paid to the mee who produce them. The men have evidently made up their minds, not only in this but in other districts, to appeal for an advance in their wages, and they will, no doubt, continue their demand until it is in some measure acceded to. It would be a pity to see the growth of the trade stunted by systematic disagree ments between the employers and the employed, and it would be disastrous if its progress were stopped altogether by a general strike. It is to be hoped that such will not be the case, and it is not unlikely that if the men do not persist in unreasonable demands the masters will be disposed to make some concessions. It is pretry clear, however, that an advance cannot well take place in the rate of wages paid unless a proportionate rise be made in the prices of fluished iron, especially as raw materials are being continually enhanced in value. Buyers would be likely, of course, to offer objection to a general advance, but from what is to be seen at present they could not offer any formidable opposition to the course. The make for some time has not exceeded the requirements of consumers, and the result is that there are little or no stocks in the hands of sellers or buyers. Adding to this the many and vast undertakings which are being carried out in the United States, Russia, and various parts of Europe, one cannot help concluding that a very large demand must be kept up if those undertakings are to be completed, and there is really little ground for believing that Sept. 21.—The Iron Trade is not, in this district at least, attended

But slow progress is being made in the Steam Coal Trade. At the commencement of the week it was feared that some difficulty would be experienced in keeping the collieries at work, as reports were circulated that some serious differences had arisen between the old and new hands. In the neighbourhood of Ferndale, and other parts of the Rhondad Valley, there was undoubtedly considerable agitation among the men, owing to some one or two rather serious disturbances which had tareen place in the previous week, but, as is usual in such cases, the runsours current were exaggerated very much. Since then matters have been somewhat more settled, and larger quantities of coal are being raised at the principal collieries. Still the output is not equal to what it was expected to be by this time, and it is feared that some time will elapse before the working of the collieries will be carried on with the wonted regularity. Preparations are being made on both sides to commence the arbitration by which will be decided the future scale of wages to be paid. But, as mentioned last week, the men in certain localities seem to entertain a belief that the masters have not a sincere desire to carry out the arbitration. This erroneous notion has no foundation whatever, as the masters are only fortifying themselves with the necessary evidence to place before the arbitrators, and are in nowise desirous to prevent the arbitration being proceeded with; on the contrary, they are desirous of obtaining a decision as soon as possible, in order to put an end to any pretence for further agitation. As to the position of the trade there is little new to report. A much larger business might, no doubt, he done if the output were larger, and collery proprietors were in a position to quote more reasonable prices. For house coals there is an increasing enquiry, as is usual in the autumn, and current prices are obtained without difficulty.

Agitation is commencing in the ironworks collieries for an advance in wages. Some of the colliers employed by the Pl commencement of the week it was feared that some difficulty would

Further instalments have been paid by the Union to the men who were on strike. The last division was made a few days ago, being this time amongst the children of the turnouts only. During the strike the association was unable to pay anything extra to the men who had families, and the married men received no more than single ones. The total number of children who now claimed was 7210, including 4928 in the Aberdare district, 329 in the New Tredegar, and 1953 in the Rhondda Valley. The sum distributed among them was 6734, 188, 54, being at the rate of 1s, 1od, per child. The amount received by each man during the strike, which lasted twelve weeks, was 1, 8s, 7d, each. The death occurred on Tuesday this week of Mr. Rowland Fothergill, who has for some time been a partner in the Tredegar Iron Company. The deceased geatteman, who was born in 1739 was for more than half a century actively connected with the iron and coal trades of this district. He was an uncle of Mr. R, Fothergill, M.P., one of the leading iron and coal masters in South Wales.

arrivals at Swansea include-the Aline, from Caldera, with The arrivals at Swansea include—the Aline, from Caldera, with 735 tons of copper regulus, for H. Bath and Son; Cubana, from Carrizal, with 890 tons of regulus, and 160 tons of argentiferous lead, for H. Bath and Son; Paulo Revello, from Silstria, with 890 tons of copper ore, for H. Bath and Son; Rebe, from Bilboa, with 409 tons of iron ore, for H. Bath and Son; Zlon Billo, Frammen, with 180 tons of zinco re, for Mess. Dillwyn and Co.; Empire, from Bilboa, with 364 tons of iron ore, for the Dowlais Iron Company; Atlantic, from Bilboa, with 364 tons of iron ore, for the Dowlais Iron Company; Atlantic, from Bona, with 689 tons of iron ore, and 80 tons of esparto grass, for W. P. Tremellen; Jenne Mathilde, from Bilboa, with 137 tons of Iron ore, for Aberdare Iron Co.; Fernand George, from Antwerp, with 90 tons of fire-clay, for H. Bath and Son.

NEVADA .- The Eureka Sentinel of August 16 says :-NEVADA.—The Eureka Sentinet of August 10 says:—"Inat the Eureka Consolidated furnaces for the 24 hours ending the day previous turned out 18 tons of bullion, which assayed \$455 per ton, making the gross yield for the 24 hours \$8190. No. 4 furnace has been running 11 weeks without repair, and No. 5 nine weeks, and to all appearances is as perfect as when the fire was applied. A dividend of \$1 per share was declared for the month of July, amounting to 10,000 l." The Richmond Consolidated, with its one furnace, is needed in the production and for equally as high grade as is producing bullion in proportion, and of equally as high grade at the Eureka Consolidated, and when the new furnaces now in pro-cess of erection are finished the dividends will be equally as large, in not greater, as the Richmond will have the advantage of refining their own bullion at their own works, thereby saving the cost and delay of shipping it in bulk to San Francisco or Omaho for refining. The August shipment of bullion from the Reymond and Ely Meadow Valley and Pioche Mines was \$400,000. This district is likely to prove one of the most formidable rivals to the mines on the Comstock lode, which at the depth of 1200 feet is opening up deposited. of marvellous riches. The Crown Point, which has just reached that depth, is now selling in San Francisco at \$305 per share, there being but 600 feet, divided into 12,000 shares, in the mine; this is at the rate of \$6100 per foot, or \$3,660,000 for the whole mine. Last in this company were selling for \$6 per share, Reymond and Ely, which w as sellin Aug. 31, is now selling at \$65, an advance of over 100 per cent, in 22 days. The Kentuck Mine, which was offered in this market four years since for \$300,000, has since paid dividends amounting to the sum of \$1,252,000.

UTAH .- During the week the shares of this company, in co quence of the continued proof of the resources of the mines, and of orders from the other side of the Atlantic, have advanced to 7l. 10s. prem. Capt. Nancarrow's last report is to the effect that the present furnace is working successfully, that the 50-ton furnace will soon be running, and that there is ore enough in sight to supply any practi-cable number of furnaces. These mines will, beyond doubt, equal the great success of the Emma Mine, in the same territory, and now

the great success of the Emma Mine, in the same territory, and now paying 500,000/. sterling annually in clear profit dividends. The following is from the Salt Lake Herald, of Aug. 29:—
"HANDSOME SPECIMEN.—There is a very handsome speciment of galena ore, mixed with pyrites of iron, from the Utah company's mines, Bingham canon, to be seen in the office of the Ely Tunuel Company. This is the mine that was purchased some time ago by an English company, from Bateman, Buel, and Co., and with which our British friends are apparently well satisfied, though some western experts pronounced less favourably with regard to it than the English experts did, results so far having fully sustained the judgment of the latter."

experts did, results so far having fully enstatued the laugment of the latter. PINTO MINING COMPANY.—Two gentlemen of London, who are largely interested in this company, arrived by stage on Thursday, in company with Mr. Partridge, and made a thorough inspection of the property and work going on. They express themselves highly pleased with the condition of the mines and prospects. To the great success of the Eureka Consolidated property,

known in England as the Buckeye and Champion, we may soon add others of not less importance. The mines simply need vigorous working in this particular case. The Pinto has proved what may be promptly and well done. By Perfect management in commencement of work on acceptance of the propent perfect management in commencement of work on acceptance of the propent and some distriction of funds, a contract was entered into for the erection of a nill and roasting furnace, on the day the company took possession all work that it is the middle of November both mill and ore will be ready. The tunnel has been run 210 ft., and slicitga and Mountain Chief Mines well opened. In one of these the ledge is striped 300 feet, and shows a continuous vein of fine ore. This body of ore sentiely new, even to Mr. Partridge, who owned the mines before the Pinto Compary came into possession. The mill and furnace contractors are under bonds to complete their work by Nov. 18. The Pinto Company can congratuate the services of Captain Plater, a gentleman of prome business habits, competency unquestioned, and character irreproachable. His own interests near Eureka will stimulate him to make the Pinto a great success, and in this operation was set the beginning of a lucrative business for the laves.

#### [ADVERTISEMENT.]

#### THE QUEEN, THE KING, AND THE VIRTUOUS LADY.

THE QUEEN, THE KING, AND THE VIRTUOUS LADY.

SIR,—I am not disposed to quarrel with a shadow, or answer the letters of anonymous scribblers. Shareholders, one and all, are invited to attend the meeting on Saturday, the 30th inst., which will be held in the neighbourhood of the three mines, at the Bedford Hotel, Tavistock, to enable those who has an interest in the properties of seeing and judging for themselves; and my add of the three mines, at the Bedford Hotel, Tavistock, to enable those who has an interest in the properties of seeing and judging for themselves; and my add all defects, as well as effects, to be laid before the shareholders, so that, if possible, the former can be remedied. I have received several holders, so that, if possible, the former can be remedied. I have received several content of the several transportation of the statements made by Messrs. Knott and Doble, but, believing them to honest and sincere, they have my confidence; and if any mistak is made, and the result should be a failure, my very all is invested in these three mines, and instead of the fortune i have already put down as certain to come to me in the course of time my portion will be nought but rain. I have to trust to certagents every whit as much as the rest of the shareholders, and, having take up one-third of the new issue of capital (5000 shares at 11. each), my stake is yfar the largest. The following is a copy of a letter signed by Messrs. Knottand Doble. I have the original, and have taken this precaution that they may have all the honour with a success, and share a little of the abuse I am convinced would be lavished upon me if a failure:—

Sept. 20. — From practical working upon a small scale we are prepared to, and do hereby, certify that the mineral substance upon the Queen and King Min. Contain more tha

OBLE.
the tone of this letter it is clear that all we want is time, for, as regard By the tone of this letter it is clear that all we want is time, for, as regard very extensive works, we can go in quietly at first, and increase our machiner and returns out of a portion of the profits; and the Queen and King Mines law yet some 4000, cash each to assist as the calls become due. Time is wanted. The Mont Cenis Tunnel was not made in a year, but some 13 years have exceed the task, athough thousands laughed at the very idea when the subjects affirst discussed. I shall be at the Queen Mine, as under, until the 30th install, where any important letters should be addressed to me.

THOMAS J. Barnard.

Queen Mine, Harrowbarrow, St. Mellion, Cornwall, Sept. 21.

#### THE VIRTUOUS LADY, AND THE QUEEN.

THE VIRTUOUS LADY, AND THE QUEEN.

SIR,—Your correspondent, signing himself "Another Shareholder," baying made some remarks on my communication of September 9, I beg you will in the interest of scientific mining give me an opportunity of replying.

The amalgamation process for the extraction of silver from low-class ores may be thus briefly described. The ore is crushed to powder, mixed with a quantity of common sait, and roasted at a low heat, thus converting any sulphure of silver it may contain into chloride. The resulting mixture containing, belie the chloride of silver, oxide of iron, copper, soluble sait, &c., is put into barrels, made to revolve on an axis with water and scraps of iron. This reduces the chloride of silver, oxide of iron, copper, soluble sait, &c., is put into barrels, made to revolve on an axis with water and scraps of iron. This reduces the chloride of silver, oxide of iron, copper, soluble sait, &c., is put into barrels, made to revolve on an axis with water and scraps of iron. This reduces the chloride of silver he state of metal, Quicksilver is then introduced, and theagitation repeated, the mercury dissolves out the silver forming an amalgam. This amalgam is strained through linen cloth, or some such substance, and the silve left behind in an impure state.

Such, I believe, is the amalgamation process, as described by our scientific writers on chemistry, as applied to the arts. On this superstructure is bail the various processes which scientific men have from time to time discount and utilised, each of which have their own speciality, their merits, and nodesh their demerits. I may mention an American invention—the Bruckner system of revolving cylinders, which has been noticed in the Mining Journal, and bas, I believe, in some instances, in the Pacific States superseded the celebrate of revolving cylinders, which has been moticed in the Mining Journal, and bas, I believe, in some instances, in the Pacific States superseded by Chickself Iranace.

"Another Shareholder" doubts the cono

[For remainder of Original Correspondence see this day's Supplement.]

#### [ADVERTISEMENT.]

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From Mr. JAMES CROFTS:—The continued firmness of the tinusket has been reflected in a marked manner upon the Mining Market, and kin not at all surprising to flud tin stock commanding great attention amongs he vestors. Looking over the lists of the most prominent mines in the count, will be found that at no time have prices shown such a high average. The highest control of the most prominent mines in the count, and it is very satisfactory to note the euccess that has of his attended the adventures. Prominent amongs the young tin mines of Cornal is one that has lately entered the Dividend List, and is now making regular turns, with steadily increasing profits. The mine is called the "Cartix Dinas," is situated near St. Columb, is conducted under the Limited Liabilly Act, and is divided into 5000 shares, with 2t. per share fully paid, so that there is no liability. The mine is in full work, and, as the writer has a leady stated, profitably. A minimum dividend of 10 per cent. Is guaranteed for the years from January, 1371, but it is expected that a much larger divided when the new winding-engine, which is now in one of erection, is completed, the returns will be at once greatly increased. The profits of the property was in other hand, wards of 10,000t. When the new winding-engine, which is now in one of the most that from one pit alone, when the property was in other hand, worth more than 13,000t. The merits of the property are such that nearly medical worth more than 13,000t. The merits of the property are such that nearly medical worth more than 13,000t. The merits of the property are such that nearly medical worth more than 13,000t. The merits of the property are such that nearly increased. The property are such that nearly instance in the property are such that nearly medical worth more than 13,000t. The merits of the property are such that nearly medical worth more than 13,000t. The merits of the property are such that nearly medical, but the writer would simply state that amongst the great d certain to attain a high price. The writer would advise his friends as its public to secure shares whilst they can be obtained at a moderate premium. The reports from GREAT ROYALTON are very satisfactory. In about 16 in expected. Generally, the property never looked so well, and the produce discovering the state of the satisfactory. In about 16 in this month will be the highest yet recorded. The mine bids fair to enter the produced state of the satisfactory which is a state of the satisfactory. The mine bids fair to enter the satisfactory which is a state of the satisfactory which is a state of the satisfactory. The men and a rich bunch expected, from good indication. At local local is a state of the satisfactory which is the satisfactory of the satisfactory which is the satisfactory whi

RUSSELL (Silver-lead).—Two argentiferous lead lodes or reinsite verse this extensive sett 29 fathoms apart, but underlying towards each olim. They will make a junction at about 50 fathoms from the surface-a most in the South Lode. The Great North lodes are named respectively the Great North Lodes at the 10 fm, level; it is composed of govan in large quantities flookan quit carbonate of lime, all strongly impregnated with lead ore and is earbonate, all has produced so ild lumps of silver-lead from 7 to 20 lbs, each. At the 20 lbs been merely cut into, never driv. n on; it is here about 8 feet wide, group aported with lead; it is uncertain whether it has been cut through or not. Fig. 30 lbs with lode has been driven on 20 fms. at the 30 fm, level only; it is from 30 lbs wide, composed of flookan, quartz, white from, blende, and has produced in stones and small branches of lead ore the entire length of the level; at each paid it will yield a few exts, of silver-lead ore to the fathom.

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#### THE NEW HINGSTON TIN MINING COMPANY

(LIMITED). In 12,800 shares of £1 each.

The following statements may be relied on, viz.:—
1.—The deeds of the property, including the whole of East Kitt Hill sett, are is the hands of the company.
2.—The whole of the works are in such an advanced position as to require but \$200 time for large returns.
3.—The lode is an extraordinary rich one for tin, as proved by former sales and present assays of ore—nearly one mile in length being owned by the company time that the same time to the same time time.

oally. 4. This lode, on the eastern boundary of the sett in Hingston Down, is worth

per fathom. This lode on its western boundary, in South Kitt Hill (worked by private es), has produced about 40 tons of tin above the 9 fm. level, that being the set depth of the mine.

parties), last insert an available capital of £6400 for the machinery, &c., if regrets depth of starting of the new company.

[.-Persons best acquainted with the mine believe that large and continuous gluidends will very speedily be made, as evidenced by the proprietors taking hare instead of cash for the mine.

Applications for the remaining shares to be made of the Secretary, Mr. George 1400s, at the offices of the company, 3, Crown-chambers, Threadneedle-street. Landon, E.C.

#### THE CASTLE GATE TIN MINING COMPANY

(LIMITED).

Capital, £10,000, in 1000 shares, limited to £10 each. The first payment is £2 per share, which must be made on application for the and no call will be made before the expiration of three months from

mares, and no can will be made before the expiration of three models from high date.

Taking into consideration that large returns of tin can be immediately made, his not thought that more than £5 per share will be required to be called up. Piority of allotment will be given to applicants desirous to pay up in full, and diddends will be paid pro rate on the amounts paid.

DIRECTORS.

DR. THOMAS PHILIBRICK, College Road, Brighton.
CAPTAIN H. BULKELEY, late H. M. A.
CAPTAIN G. BEAMISH, Corintbian Club.
DR. WM. MORGAN, Tyndail Place, Islington.
JOHN NEWCOMB, Esq., Westmoreland Road, Bayswater.

BANKERS.

THE CONSOLIDATED BANK (LIMITED), 32, Threadneedle Street.
THE SOUTH CORNWALL BANKING COMPANY, St. Austell, Cornwall.

SOLICITORS.

Mossrs. EVANS, LAING, AND EAGLES, 10, John Street, Bedford Row.
BELLINGS AND SHARE AGENCY, 165, Strand, London.

SECRETARY (pro tem).

JOHN FOX FARBRIDGE, Ksq., 3, Winchester Buildings, City.

OFFICES, -3, WINCHESTER BUILDINGS, LONDON, E.C.

ABRIDGED PROSPECTUS.
This extensive tin mining set is beld under fleence from the Ducby of Cornwall (Prince of Waies) for 21 years, at a royalty of 1-18th dues on all ores sold. The mine is situate in the parish of St. Columb, on the side of a hill, and the strace working has been of a most extensive and extraordinary character by the auctents, and from which, at romarkably shallow levels, immense profise have been realised.
The following are reasons why the mine can be recommended:—
1.—It is on a hill, and can be worked without expensive sinking for several

2.-It is a rich tin-bearing elvan, which has made such great deposits in all

1.—It is a rice the locaring cival, which has hade such a large and life mines.

1.—There are thousands of tons of paying tinstuff already laid open to view, donly require stamping to make marketable.

2.—There being but 1000 shares in the company, and the amount of capital ing small, the dividends will be proportionately large.

2.—There are over 20 lodes of tin, besides the elvan, which can be worked now on surface at a very small cost.

2.—It is capable of making such large returns of tin that dividends must rette in a few months from the present time, thus avoiding the great delay and alley so frequently met with in the re-working of old abandoned and deep lines.

inter.
7.—The mine is now at work, therefore shareholders will enter a going concern.
The mine is now at work, therefore shareholders will enter a going concern.
The mine is now at work, therefore shares, and detailed agents' reports, age had of the Secretary, Brokers, or Bankers of the company. As considering more than half the capital has been privately subscribed for, early applitudent of shares is necessary to secure an allotment.

Lendon, September 15, 1871.

#### LLYNCLYS LEAD AND COPPER MINING COMPANY

(LIMITED).

To be incorporated under the Companies Acts, 1862 and 1867. Capital £12,000, in 12,000 shares of £1 each.

5s. on application, and 5s. on allotment.
Calls not to exceed 2s. 6d. per share, and not to be made at intervals of less than three months.

DIRECTORS.

To be chosen at the first general meeting of subscribers for shares.

BANKERS—Meesrs, ROCKE, EYTON, and Co., Shrowsbury.

SOLICITOR—Mr. HENRY MORRIS.

SECRETARY—Mr. H. J. BADDELEY, Pontesbury.

OFFICES,-SWAN HILL, SHREWSBURY.

PROSPECTUS.
The company is being formed with the object of working the lead, copper, and there minerals under land situate at Llynciys, near Oswestry, Salop.
The area of the land under which the right to work has been reserved is about

The property is most conveniently situated in proximity to the Liynelys Station on the Cambrian Railway System, and a poculiar feature in it is that aditively and the Cambrian Railway System, and a poculiar feature in it is that aditively an experience of the cambrian Railway System, and the company to further test and develope the property at a very moderate expense.

The value of the property for mining purposes has been ascertained by operations earlied on for some months, which have proved the existence of five large will characterised mineral lodes of lead, copper, &c., and a bed of oxide of irou. The promoters have had the property examined and reported upon by compitent judges, and they append some of the reports.

It may be added that, in addition to the presence of lead, copper, &c., the fological formation of the property is limestone, offering an opportunity for Maining stone for fluxing purposes, and for converting into lime.

In the allotment of sharen preference will be given to those applicants who desire to pay up in full on allotment.

In a allotment be made, the deposit will be returned in full at an early date.

nt be made, the deposit will be returned in full at an early date.

in the allotment of shares preference will be given to those applicants who esire to pay up in full or allotment. If no allotment be made, the deposit will be returned in full at an early date, without deduction.

Application for shares may be made in the form accompanying the prospectus, addressed to the Solicitor or Secretary.

Strewsbury, Angust 21, 1871.

REPORTS.

Aug. 5.—At your request I have carefully inspected the above mine, and beg shand you my report thereon. The property is situated near Oswestry, in the wonty of Salop, and comprises a good tract of ground; its geological formation is shared to the state of the shared of the shared state of the

JAMES NANCARROW.

Input 6, 18:1.— This sett is situated near Oswestry, in the county of Salop, comprises a large extent of ground. There are several well-defined mineral compress a large extent of ground. There are several well-defined mineral comprises a large extent of ground. There are several well-defined mineral comprises the several well-defined mineral compression of the several well-defined mineral compression of the several well-defined mineral compression of the several well-defined mineral several se

N SALE, — ONE 16-horse PORTABLE ENGINE, by MARSHALL, of Gainsborough; new last year; with the latest improve-apply to Scott and Edwards, Railway Contrastors, near Runcorn.

IN RE THE CARDIGAN BAY CONSOLS MINING COMPANY (LIMITED). IN LIQUIDATION.

IN LIQUIDATION,

V AL UABLE LEAD MINES, in LANDS called
GWAR-CWM-BACH, GWAR-CWM-ISSA. GWAR-CWM-UCHA, and
PENSARN, situate in the parishes of LLANCYNFELIN and LLANFIHANGEL-GENEUR-GLYN, in the county of CARDIGAN, about nine miles
from Aberys-twith, held for an Unexpired Term of nearly Nineteen Years, together with the costly PLANT and MACHINERY in excellent condition, which
will be SOLD, BY AUCTION, at the Mart, Tokenhouse-yard, London, E.C.,
on Tuesday, the 3rd day of October, 1871, at Twelve for One o'clock, by Mr.
ROBERT L. CURTIS (the Liquidator).
Particulars, with conditions of sale, may be had of E. G. ELWES, Esq., Solictor, 8, Furnivar's Inn. Holborr; of Capt. Richard Williams, Goginan, Aberystwith; and of the Liquidator, 8, Union-court, Old Broad-street, London, E.C.

#### The Companies Act, 1862 and 1867.

IN THE MATTER OF THE PENHALE UNITED SILVER-LEAD MINING COMPANY (LIMITED).

THE LIQUIDATOR of the ABOVE-NAMED COMPANY invites TENDERS for the PURCHASE of the whole of the property belonging to the said company, comprising the COMPANY'S INTEREST in the LEASES of the valuable MINES, known as the

#### PENHALE AND LOMAX SILVER-LEAD MINES,

Situate in PERRANZABULOE, in the county of CORNWALL, which have been extensively developed, together with the whole of the valuable ENGINES, PLANT and MACHINERY, BUILDINGS, DRESSING APPARATUS, PITWORK, and STORES.

The mines been been

WORK, and STORES.

The mines have been opened up to a very great extent, and are supplied with all the necessary machinery for their further development.

Tenders, addressed to the Liquidator as below, should be sent in not later than the 16th day of October next.

Permission to inspect the mines and the leases, together with the full inventory of plant and machinery, conditions, and all other particulars, may be obtained of the Liquidator. ed of the Liquidator. Mr. FREDERICK WARWICK, at his offices, 25, Bucklersbury, London.

### TITANIC STEEL AND IRON COMPANY (LIMITED).

STEEL AND IRONWORKS FOR SALE, BY PRIVATE TREATY.

THE LIQUIDATOR of the ABOVE-NAMED COMPANY is prepared to TREAT for the SALE, by private arrangement, as a going concern, of the WHOLE of the company's VALUABLE FREEHOLD MANUFACTURING PREMISES, known as

THE FOREST STEEL WORKS,

Situate at COLEFORD, in the FOREST OF DEAN. GLOUCESTERSHIRE, extending over an area of about SEVEN ACRES, together with all the WORK-SHOPS, FORGER, STOREHOUSES, OFFICES, PLANT and MACHINERY; also some valuable PATENTS, LICENSES, and LEASES, including LEASE of DARKHILL and SHUTCASTLE COLLIERIES.
Full particulars and orders to inspect the works can be obtained on application to Robert Flexcher, 2, Moorgate-street, London, E.C., the Liquidator; R. WOODWARD, Forest Steelworks, Coleford; or to Alfred Dayy, Engineer, Sheffield.

eld. usual business of the company is meanwhile carried on at the works.

TO BE SOLD, pursuant to a Decree of the High Court of Chancery, made in a Cause of "MARSHALL V. CROWTHER," with the approbation of the Vice Chancellor Sir John Wickers, by Messrs. CHESSHIRE and GLESON, the persons appointed by the said Judge, at the George Hotel, Walsail, in the county of Stafford, on Wednesday, the 35th day of October, 1871, at Three o'clock in the afternoon precisely, in Righten Lots, a certain FREEHOLD ESTATE, called BESCOTT,

FREEHOLD ESTATE, called BESCOTT,
Consisting of BESCOTT HALL, and several FARMS and BUILDING SITES
(with the valuable MINES and MINERALS therein), situate in the parlishes of
WALSALL and WEDNESBURY, in the county of STAFFORD, late the property of William Crowther, deceased.
Printed particulars and conditions of sale, and lithographed plans, may be
had (gratis) in London, of Mesers. CLARKE, WOOLCOCK, and RYLAND, 14, Lincoln's Inn-fields; Messrs. VIZARD, CROWDER, ANSTIE, and YOUNG, 55, Lincoln's Inn-fields; Messrs. CUNLIFFE and BEAUMONT, 43, Chancery-lane; Messrs.
THOMAS WHITE and SONS, Bedford-row; and in the country of Mr. W.
MARSHALL, Darlaston, near Wednesbury; of Messrs, PRANCE and GARRARD,
Evesham; of Mr. W. B. APLIN. Banbury; of Mr. J. CROWTHER SMITH, Wolverhampton; of Mr. S. P. SMITH, Walsall; of Mr. W. C. UMBERS, Wolverhampton;
and of the Auctioncers, Now-street, Birmingham; and at the place of sale.

CLARKE, WOODCOCK, and RYLAND, 14, Lincoln's Inn-fields
(Solicitors for Plaintiff).

CHILIAN COPPER MINES. AND MINING PROPERTY.

CHILIAN COPPER MINES, AND MINING PROPERTY.

TO BE SOLD, pursuant to an Order of the High Court of Chancery, made in a Cause of "WATERS v. WATERS," with the approbation of the Master of the Rolls, at the Auction Mart, Tokenhouse-yard, Lothbury, in the City of London, at Two o'clock precisely, on Tuesday, the 9th day of January, 1872, by Mr. ROBERT C. DRIVER (of the firm of Messrs, Driver, of Whitehall, London), the Auctioneer appointed by the said Judge to sell the same.

same,
The WHOLE of the EXTENSIVE and RICH COPPER MINES, PARTS OF
MINES, MINING PROPERTY AND MATERIALS, and FREEHOLD PROPERTIES In CHILI, with the STORES and BUSINESSES carried on in connection with the said Mines, forming part of the Chilian Estate of Sampson Waters,
late of Gyllyngdune, in the county of Cornwall, Esq., deceased. The Mines

late of Gyllyngdune, in the county of Cornwall, Esq., deceased. The Mines consist of—

1.—The ENTIRETY of the SAN PEDRO MINE.

2.—TWO-THIRDS of the celebrated DESCUBRIDORA MINE, with the adjoining SETTS of SAN JUAN, 'ANCHAS, and SAN FRANCISCO.

3.—THREE-FOURTH PARTS of the COLORADO (SILVER) MINE.

4.—NINE FORTY-EIGHTH PARTS of the JUANA (SILVER) MINE.

5.—The ENTIRETY of the CUBA COPPER MINE.

6.—The ENTIRETY of the CUBA COPPER MINE.

7.—The ENTIRETY of the CUBA COPPER MINE.

8. An Pedro Mine, situate about 60 miles from the port of Chanaral, has given immense riches, but owing to a run a new shaft had to be sunk 122 fathoms from the surface, and is now communicated with the lode at this depth. The lode is composed of black and yellow sulphurets, of a produce of 60 per cent, for copper. The burrows are large, and will pay for working over, having water safficient in the mine to do so. A good well of pure water is near to and belongs to the mine.

The Descubridora Mine has been working since 1859, and has yielded large profits from that date, and continues to do so. It is now down to the 94 fm. level, and has been rich from the surface. The ore is lengthening, the average width of the voin being from 30 to 80 feet, composed of yellow sulphurets. The burrows, by applying steam crushers, will yield large returns. Within the last few months two new steam-engines have been erected at a cost of £6000, and are now at work: these will increase the returns. The engines are one of 20-horse power for drawing, and one of 8-horse power for crusher. The mine is in theorough working order, and well stocked with materials, ralls, jiggers, crushers. &c.

The adjoining setts of San Juan, Canchas, and San Francisco were acquired for the purpose of securing the ground in all directions round the Descubridors for the Durpose of securing the ground in all directions round the Descubridors.

in therough working order, and well stocked with materials, rails, jiggers, crushers. &c.

The adjoining setts of San Juan, Canchas, and San Francisco were acquired for the purpose of securing the ground in all directions round the Descubridora Mine, and they have sluce been worked on a limited scale. The Canchas is making a small profit. San Juan and San Francisco are being worked at a trifling loss. The other mines above mentioned are promising concerns.

Remunerative shops and stores are attached to the mines, and are carried on in conjunction with them.

The other property which will be offered for sale consists of an entirety of FREKHOLD DWELLING HOUSES, STORES, SHOPS, WATERING PLACE, TIMBER MATERIALS, ORE FLOORS, and other property (including a large condensing apparatus), situated at Chanaral, Chanarcito, Copiapo, and Tree Puntas; the Quinchigul establishment, or watering place, with the dwelling house, store yard, carts, and mules; two-thirds of the Vega establishment, with the yards, houses, shops, and stores; two-thirds of the Vega establishment, with the yards, houses, snops, and stores; two-thirds of the Vega establishment, with the yards, houses, snops, and stores; two-thirds of the dwelling-houses and yards, store rooms, ore floor, the mole, and premises in the Fan de Azucar, seven-eighths of the watering place at Tres Puntas, and one molety of the watering place at Punta Negra.

Plans of the San Pedro and Descubridora Mines, and printed particulars and conditions of sale may be obtained of Messrs. PRICE, BOLTON, and FILDER, of Lincoln's Inn, London; of Mr. S. T. G. Downing, Solicitor, Redruth, Cornwall; of Mr. THOMAS WAITT, the Receiver and Manager at the Mines, Chill; of Micesers, FRESHPIELDS, Solicitors, Bank-buildings, London; of Mr. W. C. Smith, 48, Lincoln's Inn-fields, London; of Mr. CHAILES NORTON, Solicitors, Swansea; of Messrs, Roscorla and Sons, Solicitors, Fenzance; and of Messrs.

SMITH, 45, Indeed's finitedist, induction, of line Charles Author, certain, 45, Indeed's Author, certain, 45, Indeed's Author, certain, 45, Indeed's Author, Charles Author, and of Mosses, Coope, Kingdon, and Cotton, Solicitors, Bedford-row, London; and of Mosses, Driver, Surveyors, Land Agents, and Auctioners, 4, Whitehall, London, ROBERT MARSHALL, Chief Cierk, PRICE, BOLTON, AND FILDER, Lincoln's Inn (Agents for S. T. G. Downing, Redruth, Cornwall, Plaintiff's Solicitor), Dated 2nd August, 1871.

PRELIMINARY ANNOUNCEMENT.

THE FISHBURN ESTATE, situate in the Parish of SEDGEFIELD, in the County of DURHAM, belonging to Christopher

WATKIN, E-q.

The MANSION of FISHBURN HALL, several FARMS of FREEHOLD LAND, containing in the aggregate about 658 acres, with the valuable SEAMS of COAL thereunder, and also a COPYHOLD ESTATE adjoining, containing

cres, BE OFFERED FOR SALE, BY PUBLIC AUCTION, at the King's Head Inn, Darlington, in the month of October next.
ALLISON, SON, AND WILLAN, Solicitors, Darlington.
September 14, 1871.

TOR SALE,—the PUMPING MACHINERY recently in use at the SILKSWORTH WINNING, near SUNDERLAND, consisting of FOUR LARGE QUADRANTS, with attachments, complete; 40 21 in, PUMPS, and 20 20% in. PUMPS, with working barrels and other working pieces, complete; 42 pairs of SPEAR PLATES; WOOD SPEARS; BOLTS; CKABS; 500 fms. of 7% in. GALVANISED WIRE CRAB ROPE, &c., &c.

The whole are of the best workmanship and material, and can be viewed daily at the colliery.

Apply to Mr. John Daglish, Silksworth Colliery, Sunderland.

BLAENAVON IRONWORKS, NEAR NEWPORT.

THE BLAENAVON IRON AND STEEL COMPANY (LIMITED) are prepared to RECRIVE TENDERS from Manufacturers for the SUPPLY of OILS, GREASES, TALLOW, CANDLES, STREIL, FILES, CHAINS, ROPES, BLASTING POWDER, SHOVELS, IRONMONGERY, &c., in such quantities as they may require, from 2nd October, 1871, to 21st March, 1872, delivered free at their stores, Blaenavon. For further particulars, and forms of tender, apply to the General Manager, Blaenavon Ironworks.

Tenders to be endorsed "Tender for Stores."

The company do not bind themselves to accept the lowest or any Tender.

By order.

TOR SALE, at the EAST HARPTREE LEAD WORKS, a capital BLAST ENGINE, 20-horse power (nominal), condensing, beam, 18 in. cylinder, 4 ft. stroke, with Cornish TUBE BOILER, 21 ft. long by 6 ft. diameter, all in good working order. No reasonable offer will be refused. WANTED, TO PURCHASE, for the above works, a good SECONDHAND WEIGHBRIDGE, complete, to weigh 5 tons.

Address, Mr. HORNBLOWER, the Manager, at the works, East Harptree, near Bristol.

TOOLS and OTHER APPLIANCES used at New Dock Works. Leeds, in the manufacture of railway plant, wagon and carriage building, general engineering, &c. &c.

For prices and particulars, apply to Mr. JAMES POWELL, Consulting Engineer and Valuer of Engineering Plant, &c., 80, Basinghall-street, Leeds.

POR SALE, BY PRIVATE CONTRACT.

ONE 42 in. PUMPING ENGINE.
ONE 30 in. STAMPING ENGINE.
ONE 30 in. STAMPING ENGINE.
ONE 30 in. STAMPING ENGINE.
ONE 22 in. WINDING ENGINE.
Several good BOILERS, from 8 to 12 tons each.
Also, about 90 fms. of 7 in. FLAT RODS, complete.
A large quantity of PITWORK, from 7 in. to 16 in., and many other articles in general use in mining.

MICHELL AND JENKIN, Engineers, Redruth.

LEAD MINES IN THE COUNTIES OF DURHAM AND NORTHUMBERLAND.

NORTHUMBERLAND.

TO BE LET, ON LEASE, the HUNSTANWORTH and NEWBIGGIN ROYALTIES, the former about 3534 acres, and the latter 200 acres, or thereabouts.

The Hunstanworth Royalty adjoins the celebrated W. B. Lead Mines, and has for many years yielded large quantities of lead ore, and much of the ground is undeveloped.

Incoming lessees can have the plant and machinery, now upon the premises, at an annual rent, with a right to purchase at any time during the lease, on terms to be agreed upon.

For particulars, apply to JOSEPH DODDS, Esq., M.P., No. 4, Spring-gardens, Charing Cross, London, S.W., and Stockton-on-Tees: Mr. NATHANIEL CLARK, Beamlab-park, Fence Houses; or Mr. THOMAS J. BEWICK, C.E., No. 2, West-unberland.

CHILTON MINES.

TO BE LET, the COAL MINES within and under the CHILTON
ESTATE, the property of the Right Hon. the Earl of Ridon. The Estate
is situated near FERRYHILL, in the County of DURHAM, and contains 1340
surface acres, or thereabouts. The North-Eastern main line, and West Hartlepool main line, and branch lines of railway intersect the estate.
For particulars, apply to John Johnson, C.E., Chilton Hall, Ferry Hill,
Chilton Hall, Ferry Hill, July 4, 1871.

SOUTH WALES SMOKELESS STEAM COAL TO BE LET, ON LEASE, a COLLIERY, now working on the above, with a WORKABLE AREA of over FIVE HUNDRED AND NINETY ACRES. Railway through the property; eight miles from Port; coal on Government List.

For particulars, apply to Mr. LEYSON RHYS, Mining Engineer, Aberdare, South Wales.

TO BE LET, ON LEASE, for a term of years, SEVERAL ACRES of LAND, suitable for MANUFACTURING PURPOSES, advantageously situated on the south bank of the River Tyne, about two miles below Newcastle-on-Tyne, and within a quarter of a mile from the North-Eastern Railway. There is a good quay frontage, with deep water.

Apply to Mr. T. S. Bhamwell, King-street, Quay-side, Newcastle-on-Tyne.

SECONDHAND MACHINERY, &c., FOR SALE.

TWO IRLAM'S PATENT WROUGHT-IRON TURNTABLES,
12 ft. diameter, quite count to new

TWO IRLAM'S PATENT WROUGHT-IRON TURNTABLES,
12 ft. diameter, quite equal to new.
TWO EGG-ENDED BOILERS, 35 ft. by 6 ft., suitable for forge work, with
all fittings, quite new, never erected.
SEVERAL SETS BAR SHEARS, with and without engines.
TWENTY Cameron's DONKEY PUMPS, 3 in, rams.
ARMOUR PLATE PLANING MACHINE, quite new.
TWO 50 ton STEAM SWING CRANES, not quite finished.
FOUR STEEL BOILERS, 30 ft. by 5 ft. 6 in., and part fittings, in good order.
Several BEAM, HORIZONTAL, &c., ENGINES.
ALSO,

Several BEAM, HORIZONTAL, &c., ENGINES.

ALSO,
ALSO,
ONE Thompson's 8-horse patent ROAD STEAMER, with india-rubber tyres.
ONE 10-horse ditto, both equal to new.
FOUR 6 ton WAGONS, for ditto.
TWO 14 horse patent self-propelling PORTABLE ENGINES, with winding rums, reversing gear, &c., self contained, suitable for winding, holsting, or loughing.

litums, reveising and property of the control of the condition.

Sin SLOTTING MACHINE; DRILLING, PLANING, &c., MACHINES—to cold shear.

Apply to—

WHEATLEY KIRK AND PRICE, 35, Princess-street, Manchester.

SURPLUS MACHINERY ON SALE.

FOUR WHEEL TANK LOCOMOTIVE, worked 15 months; price £50; splendid STEEL BOILER, by Adamson, 16 ft. by 4 ft. 6 in., price £60; soveral HORIZONTAL ENGINES, nearly new, and a large quantity of similar and other machinery. ENGINEERS TOOLS, &c., &c., good as new, and chean. and cheap. C. REEVES, BANK STREET EXCHANGE, MANCHESTER.

OR SALE, a high-class 25-horse power PORTABLE STEAM ENGINE; also, a 16-horse power, with or without reversing gear. FOR SALE, cheap, several first-class second-hand PORTABLE STEAM ENGINES, 3 to 14 horse power, in excellent order. PIT WINDING GEAR made at a short notice suitable for portable engines FOR SALE, a first-class MORTAR MILL.

to - BARROWS AND STEWART, ENGINEERS, BANBURY.

POR SALE, BY PRIVATE CONTRACT, at PAR CONSOLS, Par Station, CORNWALL, and close to Par Shipping Harbour, ONE 80, and ONE 72 in. cylinder PUMPING ENGINE, and BOILER. 24, 18, and 15 in. WINDING ENGINES and BOILERS. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20 in. PUMPS. H and top-door pieces; plunger poles; rod plates; and a large quantity of other useful MINING MATERIALS.

Apply to Capt. Puckey, St. Blazey, Cornwall.

Royal School of Mines.

NOTICE.—ROYAL SCHOOL OF MINES, JERMYN STREET, STREET, LONDON.—The TWENTY-FIRST SESSION will BEGIN on MONDAY, the 2nd of October. Prospectuses may be had on application. TRENHAM REEKS, Registrar.

TECHNICAL EDUCATION SCIENCE AND ART DEPARTMENT.

ROYAL COLLEGE OF SCIENCE FOR IRELAND, STEPHEN'S GREEN, DUBLIN.

SESSION 1871-72.

This College supplies, as far as practicable, a complete Course of Instruction in Science applicable to the Industrial Arts, especially those which may be classed broadly under the heads of CHEMICAL MANUFACTURES, MINING, ENGINEERING, and AGRICULTURE.

A Diploma of Associate of the College is received at the College is received.

A Diploma of Associate of the College is granted at the end of the Three Years\* A Diploma of Associate of the Course of Instruction is recognised by the Secretary of State for India as a smallfying for Associatements in the Engineering Department.

The Course of Instruction is recognised by the Secretary of State for India as qualifying for Appointments in the Engineering Department.

There are Four Royal Scholarships, of the value of £50 each yearly, with free deucation, including Laboratory Instruction, tenable for two years. Two become vacant each year. They are given to Students who have been a year in the College. There are also Nine Exhibitions attached to the College, of the yearly value of £50 each, with Free Education and Laboratory Instruction, tenable for three years. Three become vacant each year. These are awarded at the Annual May Examinations of the Science and Art Department.

The fees are £2 for each Course, or £10 for all the Courses of each year, with the exception of Laboratory,

The Laboratory Fee is £12 for the full Course of nine months, or £2 per month. SUBJECTS OF INSTRUCTION.

Applied Mathematics, Mechanism and Machinery, Descriptive Geometry, Geometrical, Mechanical, and Engineering Drawing, Experimental Physics, Chemistry (Theoretical and Fractical), Botany, Zoology, Geology and Palsontology, Mining, Surveying, Agriculture.

The Laboratory is open for instruction in Practical Chemistry, Metallurgy, and Assaying from Ten to Four o'clock every weekday during the Session, 32-cept Saturdays and holidays.

The Session commences on MONDAY, October 2.

Programmes may be obtained on application to the Secretary, Royal College of Science, Stephen's Green, Dublin.

easion commences on MOADA accession commences on MOADA accession commences on MOADA accession to the Secretary.

ammes may be obtained on application to the Secretary.

FREDERICK J. SIDNEY, LL.D., Secretary.

## TANGYE BROTHERS AND HOLMAN,

10, LAURENCE POUNTNEY LANE, LONDON,

CORNWALL WORKS (TANGYE BROTHERS), BIRMINGHAM,

#### THE "SPECIAL" STEAM

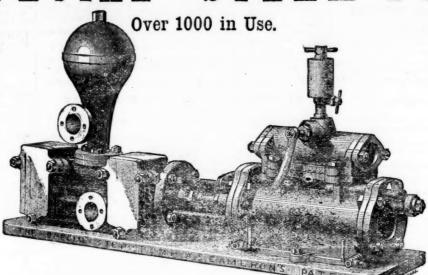
IN USE AT THE FOLLOWING QUARRIES:-Carnarvon and Bangor Slate Co. ... 5 Pumps.
Kellow, J. E., North Wales Slate Co... 1
New Zealand Quartz Crushing and
Gold Mining Company... ... 1
Scott, R. W., Dungannon, Ireland ... 1
Foster, J. S., Hebburn Quarries ... 1
,, IN USE AT THE FOLLOWING CHEMICAL

WORKS:-Alum and Ammonia Co., Bow Common 2 Pumps.

Barnes, W. C., Hackney Wick... 2 ,,

Burt, Boulton, and Hayward, Tar

Works, Millwall ... ... 1 ,, Works, Millwall ...
Cory and Co., Manor-street, Old Kent-road ...
Whiffen, Thomas, Battersea ...
Jones, W., and Co., Middlesborough...
Jarrow Chemical Co., South Shields ... Richardson, J. G. and N. H., Jarrow-Richardson, J. G. and N. H., carrow on-Tyne
Read, Holliday, & Sons, Huddersfield
Sheldon, Nixon, and Co., West Jarrow Tennant, C., and Co., near Newcastle.
Webb, H., & Co. (Manure), Worcester Union Chemical Company, Stratford.



NOTE.

Requires NO Shafting, Gearing Riggers, or Belts.

All Double-Acting:

Works at any Speed, and any Pres. sure of Steam.

Will Force to any Height.

Delivers a constant stream.

Can be placed any distance away from a Boiler.

Occupies little space.

Simple, Durable, Economical,

1 Pumps

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#### IN USE AT THE FOLLOWING COLLIERIES:

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Adelaide Colliery, Bi		Auon	uma	***
Acomb Colliery, Hex	nam	***	***	
Blackfell Colliery, G			***	***
Black Boy Colliery,		shead		***
Castle Eden Colliery	***	***	***	***
Crofton, J. Ct., near I	Ferry	hill	***	***
Carr, W. C., Newcast	le	***	***	***
Etherley Colliery	***	***	***	***
Gidlow, T., Wigan	***	***	***	***
Haswell, Shotton, ar	d E	asingto	on Co	al Co.
Lochgelly Iron and	Coal	Compa	ny	***
Leather, J. T., near l	Leed	9		***
Lumley Colliery, Fer	ice I	Iouses	***	***
Monkwearmouth Col	liery	. Sund	erlar	1d

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North Bitchburn Colliery, Darlington ...

Newton Cap Colliery, Darlington ...

Normanby Mines ... ... ...

Oakenshaw Colliery ... ...

Pease's West Colliery ...

Pease, J. and J. W., near Crook ...

Pease, J. and J. Brandon Colliery ...

Pegswood Colliery, near Morpeth ...

Pelton Fell Colliery ... ...

Railey Fell Colliery, Darlington ...

Right Hon. Earl Durham, Fence Houses

Skelton Mines ... ...

South Benwell Colliery ...

St. Helens (Tindale) Colliery ...

Stott, James, and Co., Burslem ... ... Seaton Delaval Coal Company, near Newcastle Thornley Colliery, Ferryhill ... ... ... Thompson, John, Gateshead ... ... ... ... ... Trimdon Grange Colliery ... ... ... ... ... 2 Pumps. Tudhoe Colliery ... ... ... ... Vobster and Mells Colliery ... ... Widdrington Colliery, Morpeth ... Whitworth and Spennymoor Colliery ... Westerton Colliery, Bishop Auckland ... Wardley Colliery, Gateshead ... Westminster Brymbo Coal Company ... Weardale Coal and Iron Company ...

#### IRONWORKS AND ROLLING MILLS:—

Bede Metal Company, Jarrow		***	***	11	Pumps.
Bagnall, C. and T., Grosmont I	ronwo	rks	***	2	"
Consett Ironworks Castleford Foundry Company,	Norm	anton	***	2	99
Ellen Rolling Mills, Maryport	***	***	***	ī	"

Gilkes, Wilson, Pease, and Co, Middlesboro'. 2 Pumps.

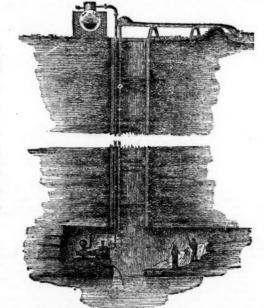
Lloyd and Co., Middlesborough ... ... 1 , Whessoe Ironworks, Darlington ... ... ... West Cumberland Hematite Iron Company ... ... ... West Cumberland Hematite Iron Company ... ... ... Westbury Iron Company ... ... ... ... ... ... ... ...

... 3 Pump

#### THE "SPECIAL" STEAM PUMP AS APPLIED FOR DRAINING MINES.

The arrangement in the accompanying illustration shows an economical method of draining mines without the expense of erecting surface-engines, fixing pumprods, or other gearing. A boiler adjacent to the pit's mouth is all that is necessary on the surface; from thence steam may readily be taken down, by means of a felted steam-pipe, to connect the pump with the boiler. The pump may be placed in any situation that may be convenient for working it, and connecting the steam, suction, and delivery pipes.

These engines can be fixed and set to work in a



comparatively short time, and also at a very small outlay. They are used in large mines as auxiliary engines, and will be found invaluable adjuncts in all mining operations.

To estimate the quantity of water to be raised by any given size of pump refer to the tabulated list below. It is recommended to use long-stroke pumps where the height exceeds 100 ft., so that the largest result may be obtained with a minimum wear and tear of the pump pistons and valves. The pumps are provided with doors for ready access to all working parts.

#### PRICES OF THE "SPECIAL" STEAM PUMPS.

	_							1							1	1				
Diameter of Steam Cylinderinches	21	3	4	4	6	6	6	7	7	7	8	8	8	8	10	10	12	12	14	16
Diameter of Water Cylinderinches	11	13	2	4	3	4	6	5	6	7	4	6	7	8	6	.7	8	10	8	7
Length of Strokeinches	6	9	9	12	12	12	12	12	12	12	12	12	12	18	12	12	18	24	48	24
Strokes per minute	100	100	70	50	50	50	50	50	50	50	50	50	50	35	50	50	35	-	-	-
Gallons per hour	310	680	815	3250	1830	3250	7330	5070	7330	9750	3250	7330	9750	13,000	7330	9750	13,000	-	-	-
PRICE	£10	£15	£20	£35	£30	£40	£47 10	£50	£52 10	£57 10	£50	£55	£65	£85	£70	£80	£100	-	-	-

IF BRASS LINED, OR SOLID BRASS OR GUN-METAL WATER CYLINDERS, WITH COPPER AIR VESSELS, EXTRA, ACCORDING TO SIZE.

Any Combination can be made between the Steam and Water Cylinders, provided the Lengths of Stroke are the same, thus-8 in. Steam and 3 in. Water, or 10 in. Steam and 3 in. Water, adapted to height of lift and pressure of steam, and so on.

TANGYE BROTHERS & HOLMAN, 10, Laurence Pountney-lane, London, E.C.

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or

AWARDED TWENTY GOLD AND SILVER FIRST-CLASS PRIZE MEDALS.

IMMENSE SAVING OF LABOUR.

TO MINERS, IRONMASTERS, MANUFACTURING CHEMISTS, RAILWAY COMPANIES, EMERY AND FLINT GRINDERS, MCADAM ROAD MAKERS, &c., &c.

BLAKE'S PATENT STONE BREAKER,

FOR REDUCING TO SMALL FRAGMENTS ROCKS, ORES, AND MINERALS OF EVERY KIND.



The Parys Mines Company, Parys Mines, near Bangor, June 6.—We have had one of your stone breakers in use during the last 12 months, and Capt. Moreom reports most favourably as to its capabilities of crushing the materials to the required size, and its great economy in doing away with manual labour.

For the Parys Mining Company,

H. B. Marsden, Esq. JAMES WILLIAMS.

Ecton Emery Works, Manchester.—We have used Blake's patent stone breaker made by you for the last 12 months, crushing emery, &c., and it has given every satisfaction. Some time after starting the machine a piece of the moveable laws about 20 lbs. weight, chilled cast-iron, broke off, and was crushed in the jaws of the machine to the size fixed for crushing the emery.

H. R. Marsden, Esq. THOS. GOLDSWORTHY & SONS.

Welsh Gold Mining Company, Dolgelly.—The stone breaker does its work admirably, crushing the hardest stone and quartz.

WM. DANIEL.

Our 15 by 7 in. machine has broken 4 tons of hard winstone in 20 minutes, for fine road metal, free from dust.

Stone and Lime Merchants, Darlington.

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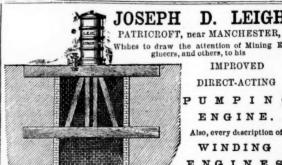
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2450	Cook's Kitchen, c, Illogan; Cwm Erfin, I. Cardiganshire Cwmystwith, I, Cardiganshire	15	14	9	32	**	80 82	1/2		17	0	2	E 0	Aug.	187	
867	Cwm Erfin, I. Cardiganshire*	7	10	0	-					18	0	0 1	5 0	July Jan.	187	
128	Cwmystwith, I, Cardiganshire	60	0	0	_						0	2	0 0	July	186	
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1906	East Wheal Lovell, t, Wendron	3		0	13				19	8	6	0 1	26	Aug.	187	
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400 9000	Marke Valley, c, Caradon			6	6	**	51/4 6		0.4.5	10	U	3 1	0 000	Mar.	1871	
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nnan	Mining Co. of Ireland, c. / cl.	7		0	61/4		634			4		0 1	1	July.	1871	
6400	New Pembroke, t, c, Par Station. North Levant, t, c. St. Just North Wheal Crofty, c, Illogant	5		0	-					7	6	0 5	6	Mar.	1871	
2000	North Levant, t, c. St. Just	10		0	15		14 15			- 5	0	0 1/	5 0	Aug.	1871	
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